

Closed
County Forge #291
Facility & # Sanitation Inc
Closure Landfarm
Finan Assur Liner
GW Corr Meas Methane
GW Monitoring O & M
GW Reports Run-on
Inspections
Other: _____

SANITATION, INC. LANDFILL
LEWISTOWN, MONTANA
License #291
JUNE 2010 GROUNDWATER SAMPLING REPORT

Prepared for:
Barry Damschen Consulting, LLC

Prepared by:
Hydrometrics, Inc.
Consulting Scientists & Engineers 
3020 Bozeman Avenue
Helena, MT 59601

January 2011

K:\PROJECT\8015\SANINC\COVER.PPT

RECEIVED

RT
JAN 26 2011

DEPT. OF ENVIRONMENTAL QUALITY
WASTE & UNDERGROUND TANK
MANAGEMENT BUREAU

Sanitation Inc. Landfill
License #291
June 2010 Groundwater Sampling Report
Attachment 2
Statistical Analysis Reports

January 2011

Hydrometrics, Inc.
Consulting Scientists and Engineers
3020 Bozeman
Helena, MT 59601
(406) 443-4150







BARRY DAMSCHEN CONSULTING

5531 York Road • Helena, MT 59602

Phone (406) 443-2938

Fax (406) 449-6140

January 25, 2011

Mr. Martin Van Oort
Solid Waste Program
Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Dear Martin,

Please find enclosed our copy of the groundwater results for the Spring 2010 sampling event at the Sanitation Inc. landfill. The samples were collected on June 14, 2010.

There was a significant delay (several months) between the sampling taking place and the results being released by Energy Labs due to a problem with the bank releasing the post closure trust funds which resulted in Energy Labs not being paid. This problem has now been resolved and this delay should not occur again, hopefully.

As indicated in the attached report, there does not appear to be any significant changes in the quality of the groundwater from the last sampling event.

If you have any questions, please do not hesitate to call me.

Very truly yours,

BARRY DAMSCHEN CONSULTING, LLC

Barry E. Damschen, P.E.
Project Manager

Enclosure

c: Sanitation, Inc.





January 25, 2011

Mr. Barry Damschen, P.E.
Barry Damschen Consulting, LLC
P.O. Box 7599
Helena, MT 59604

RE: June 2010 Groundwater Monitoring Results
Closed Sanitation, Inc. Landfill, Lewistown, MT (License #291)

RECEIVED

JAN 26 2011

Dear Barry,

DEPT. OF ENVIRONMENTAL QUALITY
WASTE & UNDERGROUND TANK
MANAGEMENT BUREAU

Hydrometrics, under contract to Barry Damschen Consulting, LLC, has prepared this letter report to transmit the results of the June 2010 groundwater monitoring at the Closed Sanitation, Inc. Landfill in Lewistown, Montana. Sampling activities were conducted on June 14, 2010.

Groundwater Flow Results

Monitoring locations for the Sanitation, Inc. landfill are shown on Figure 1. Static water levels were collected at monitoring wells SIMW-2, SIMW-3, and SIMW-4, and at piezometers SIP-1 and SIP-2 during the June 2010 monitoring event. The general shallow groundwater flow direction at the site is to the north and west, with water level depths ranging from about 30 to 50 feet below the wellhead measuring point (Table 1). Compared with the June 2009 water level measurements, June 2010 groundwater elevations increased at all monitoring locations, by amounts ranging from 0.40 feet at SIP-1 to 4.67 feet at SIMW-4. Typically, water level fluctuations are largest at well SIMW-4, presumably due to varying influence from the nearby detention pond (Figure 1).

The hydraulic gradient at the site appears to increase with proximity to the small draw to the north. An estimated average gradient of 0.15 was calculated for the site, based on the distance between the 4090-ft and 4040-ft groundwater elevation contours with a flow direction toward SIMW-4 (Figure 1). The groundwater seepage velocity can be estimated with previously determined (Entranco, 2002) values for aquifer porosity (estimated at 0.35), and hydraulic conductivity (9.2 ft/day), using the formula $V_s = KI/n_e$ where V_s = seepage velocity (ft/day); K = hydraulic conductivity (ft/day); I = hydraulic gradient (dimensionless); and n_e = porosity (dimensionless).

Using the values cited above, the estimated groundwater seepage velocity near well SIMW-4 for June 2010 is 3.9 ft/day or about 1420 ft/year.

Groundwater Quality Results

Water quality samples were collected from wells SIMW-2, SIMW-3, and SIMW-4 by bailing. Well SIMW-1 was previously removed from the groundwater monitoring program, so no sample or water level was collected at this well. Quality control (QC) samples included a field duplicate (collected at SIMW-4), a trip blank, and standard internal laboratory QC samples. Samples were submitted to Energy Laboratories in Helena, Montana for analysis of Solid Waste Table 1 inorganic parameters and volatile organic compounds (VOCs). Field sampling notes and laboratory analytical reports are in Attachment 1.

Trend plots were compiled for selected parameters and are in Attachment 1. Statistical Reports are located on the compact disc in Attachment 2 and field sampling notes and laboratory analytical reports are in Attachment 3.

Quality Control Results

Field quality control sample results were all within standard control limits. No parameters were reported in the trip blank. The duplicate sample pair showed excellent agreement, compared with the control limits presented in EPA guidance (EPA, 2004). Suggested duplicate sample control limits for inorganic parameters are <20% relative percent difference (RPD) for duplicate pairs with results $\geq$ five times the reporting limit (RL), or $\pm$ the reporting limit for duplicate pairs with one or both results $\leq$ five times the reporting limit. The June 2010 inorganic groundwater data for the closed Sanitation, Inc. Landfill sample-duplicate pair showed RPDs ranging from 0.0% to 3.3%, with an average of 1.7%. COD and dissolved selenium results agreed to within the $\pm$ RL control limit.

EPA guidance for organic data review (EPA, 1999) does not list suggested control limits for duplicate samples. However, the RPDs for organic parameters in the June 2010 sample-duplicate pair showed good agreement (0.0% for 1,1,1-trichloroethane and 1.5% for trichloro-fluoromethane).

Several relatively minor laboratory QC exceedances were noted in the laboratory QC report (Attachment 3). However, given the analytical parameters affected and the groundwater sample results, these QC exceedances are not considered significant in terms of overall data quality or data interpretation.

Note that for sample-duplicate pairs, the higher of the two values reported is retained in the database and used for statistical testing purposes (or the lower of the two values for pH).

Statistical Testing Results

Intrawell prediction limits were used for statistical testing of the June 2010 groundwater data, since none of the three wells currently monitored can be considered upgradient of the waste fill areas. Baseline data for each parameter at each well included all appropriate data prior to the current sampling event. Outliers were identified and removed from the baseline data set as

described in the June 2009 statistical report (Hydrometrics, 2010), and as recommended in a subsequent letter from MDEQ (MDEQ, 2010). In addition, one result that exceeded prediction limits for June 2009 (sulfate at well SIMW-3) was removed from the database for distribution and prediction limit testing, although this results is shown on the trend plots in Attachment 1 (and would be included for Mann-Kendall trend testing if necessary). Outliers that were removed for purposes of intrawell statistical testing are tabulated in Attachment 2.

The other prediction limit exceedance for June 2009 (nitrate + nitrite at well SIMW-4; Hydrometrics 2010) was retained in the database for June 2010 statistical testing. Based on the MDEQ (2010) recommendation of including a previous June 2008 value of 1.7 mg/L nitrate + nitrate at SIMW-4 as a valid non-outlier result, the June 2009 nitrate + nitrite concentration of 1.03 mg/L would not have exceeded the prediction limit, and thus has been included for normality and prediction limit testing.

The Shapiro-Wilks Test of Normality was used to determine the distribution of the data (after removal of outliers) for each parameter at each well. June 2010 results were then compared with parametric or nonparametric prediction limits, based on the results of the normality test. The intrawell prediction limit results are summarized in Table 2, and detailed statistical reports are in Attachment 2.

Inorganic Parameters

In general, inorganic parameter concentrations for June 2010 were similar to previous data. Groundwater pH in the Sanitation, Inc. monitoring wells ranged from 7.6 to 7.8 in June 2010, and SC values ranged from 1220 μ mhos/cm at SIMW-3 to 2440 μ mhos/cm at SIMW-4. Elevated nitrate + nitrite concentrations persisted at SIMW-3 (10.3 mg/L, exceeding the DEQ-7 groundwater standard of 10 mg/L), with lower concentrations reported at SIMW-2 (2.14 mg/L) and SIMW-4 (1.36 mg/L). Detectable metals concentrations in June 2010 groundwater samples included iron (0.4 mg/L) and zinc (0.02 mg/L) at well SIMW-2, selenium (0.021 mg/L) at well SIMW-3, and nickel (0.03 mg/L) and zinc (0.02 mg/L) at well SIMW-4 (Table 2). All other dissolved metals concentrations were below laboratory reporting limits.

Statistical testing indicated that five inorganic parameters exceeded prediction limits for June 2010 (Table 2), including SC and iron at SIMW-2, SC and sulfate at SIMW-3, and pH at SIMW-4. Mann-Kendall trend testing of these datasets showed increasing trends for SC at SIMW-2 and SIMW-3, and sulfate at SIMW-3. The SIMW-4 pH values showed no trend (increasing or decreasing). While the ChemStat software was unable to provide a Mann-Kendall trend test result, both Sen's slope analysis (Attachment 2) and independent calculation of the Mann-Kendall statistic based on procedures in recent EPA guidance (EPA, 2009) indicated no significant trend in SIMW-4 pH data.

The trend plots in Attachment 1 show that conductivity (SC) values for wells SIMW-2 and SIMW-3 do appear to have shown slight increases over the last several years, and SC values are now at the maximum observed over the monitoring period. A statistically significant increase in sulfate concentrations at SIMW-3 has also occurred over the last several monitoring events,

although the June 2010 sulfate value at SIMW-3 was slightly lower than the June 2009 concentration (Attachment 1). Well SIMW-4 has also shown increases in conductivity, chloride, and sulfate since well installation in 2003, although sulfate concentrations have decreased over the last three events and conductivity and chloride values have stabilized (Attachment 1).

Organic Parameters

Similar to previous monitoring events, wells SIMW-2 and SIMW-3 each had low-level VOC parameters reported in the June 2010 samples, qualified 'J' as present, but below the laboratory reporting limit, as follows:

Site	6/10 VOCs Reported (µg/L)
SIMW-2	dichlorodifluoromethane (0.80 J)
	1,1,1-trichloroethane (0.98 J)
SIMW-3	1,1,1-trichloroethane (0.42 J)
	trichlorofluoromethane (0.69 J)

Mann-Kendall trend tests were conducted for each of the reported VOC parameters. Three parameters (1,1,1-trichloroethane at SIMW-2 and SIMW-3, and trichlorofluoromethane at SIMW-3) yielded statistically significant increasing trends (Table 2). Inspection of the trend plots in Attachment 1 shows similar patterns for both these VOC constituents at these two wells: a period of sporadic J-qualified detections from 1995 through 1999-2000, followed by an extended period of non-detectable values from about 2001 through 2004, and a recent reoccurrence of consistent J-qualified values from 2005 to the present. While it is possible that the recent data (2005 to present) represent a true increase in VOC concentrations from the 2001 through 2004 period of below detect values (<1 µg/L), it is also apparent that the statistically significant increasing trends for these parameters noted in this report are due in large part to the replacement of below detect values (<1 µg/L) with zero prior to trend testing. It should also be noted that recent concentrations of 1,1,1-trichloroethane and trichlorofluoromethane at wells SIMW-2 and SIMW-3 are largely within the range of concentrations observed during the initial period of detections (1995 through 2000).

As in June 2009, VOCs continued to show all below detect values at well SIMW-4 in June 2010, in contrast to June 2008 when two VOCs were reported, and June 2007 when nine compounds were reported. The petroleum- and solvent-type constituents reported at well SIMW-4 in 2006 and 2007 have been absent in the samples collected from 2008 through 2010.

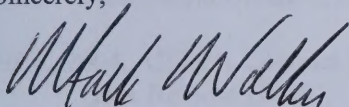
Summary

Groundwater elevation data for the June 2010 groundwater-monitoring event at the Closed Sanitation, Inc. Landfill were consistent with historic results, indicating flow to the north and west and an approximate seepage velocity of 3.9 ft/day. Groundwater samples collected in June 2010 showed results consistent with previous data. Intrawell prediction limit exceedances were noted for conductivity (SIMW-2 and SIMW-3), iron (SIMW-2), sulfate (SIMW-3) and pH (SIMW-4). Increasing trends were indicated for conductivity and sulfate. Low (J-qualified)

concentrations of dichlorodifluoromethane, 1,1,1-trichloroethane and trichlorofluoromethane were reported at SIMW-2 and SIMW-3, similar to results previously observed. As in June 2009, no VOCs were reported at SIMW-4 in June 2010, compared with two VOCs reported in June 2008 and nine VOCs reported in June 2007.

If you have any questions regarding this data report, please feel free to contact me at (406) 443-4150, ext. 146.

Sincerely,



Mark Walker
Environmental Scientist

Enclosures

c: Closed Sanitation, Inc. Landfill
Barry Damschen Consulting, LLC

REFERENCES

- Entranco, 2002. Sanitation, Inc. Letter Report from Bruce Siegmund to Pat Potts, MDEQ dated March 21, 2002.
- EPA, 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities -- Unified Guidance. Office of Resource Conservation and Recovery, Program Implementation and Information Division, EPA 530-R-09-007, March 2009.
- EPA, 2004. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (Final). Office of Superfund Remediation and Technology Innovation, EPA 540-R-04-004, October 2004.
- EPA, 1999. USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review. Office of Emergency and Remedial Response, EPA 540/R-99/008, October 1999.
- Hydrometrics, 2010. Sanitation, Inc. Landfill, Lewistown, Montana -- June 2009 Groundwater Sampling Report. Prepared for Barry Damschen Consulting, LLC. May 2010.
- MDEQ, 2010. Letter to Mr. William Spoja (Sanitation Inc.) from Mr. Martin van Oort (MDEQ) RE: Closed Sanitation Inc. Landfill -- Fergus County -- License #291, June 2009 Groundwater Sampling Report. Dated June 2, 2010.

TABLES

TABLE 1. WATER LEVEL MEASUREMENT RESULTS

Well	June 2010 Static Water Level (ft bmp)	June 2010 Groundwater Elevation (ft)
SIMW-2	33.31	4090.40
SIMW-3	28.87	4082.04
SIMW-4	28.38	4049.69
SIP-1	33.26	4086.98
SIP-2	48.56	4102.78

NOTES: bmp = below measuring point

TABLE 2. JUNE 2010 INTRAWELL PREDICTION LIMIT SUMMARY
Closed Sanitation, Inc. Landfill, Lewistown, Montana

<i>Parameter</i>	SIMW-2			SIMW-3			SIMW-4		
	<i>Dist</i> ¹	<i>PL</i> ²	<i>Value</i>	<i>Dist</i> ¹	<i>PL</i> ²	<i>Value</i>	<i>Dist</i> ¹	<i>PL</i> ²	<i>Value</i>
pH (s.u.)	N(95)	6.2-8.1	7.6	N(95)	6.4-8.4	7.8	N(95)	6.4-7.5	7.6*
SC (µmhos/cm)	NN	1550	1650**	ln-N(99)	1188	1220**	N(95)	3612	2440
chloride (mg/L)	NN	66	28	N(95)	38	31	N(95)	393	190
sulfate (mg/L)	N(95)	241	150	N(99)	161	170**	N(95)	379	190
COD (mg/L)	ln-N(99)	56	6	ln-N(95)	70	2	N(95)	215	47
nitrate + nitrite (mg/L as N)	N(95)	4.86	2.14	N(95)	13.0	10.3	NN	1.65	1.36
iron (diss) (mg/L)	NN	0.10	0.4*	NC	NC	<0.03	NC	NC	<0.03
nickel (diss) (mg/L)	NC	NC	<0.01	NC	NC	<0.01	N(95)	0.08	0.03
selenium (diss) (mg/L)	NC	NC	<0.005	N(95)	0.027	0.021	NC	NC	<0.005
zinc (diss) (mg/L)	NN	0.08	0.02	NC	NC	<0.01	N(95)	0.05	0.02
dichlorodifluoromethane	ND		0.80 (J)*	NC		<1.0	NC		<1.0
1,1,1-trichloroethane (µg/L)	ND		0.98 (J)**	ND		0.42 (J)**	NC		<1.0
trichlorofluoromethane (µg/L)	NC		<1.0	ND		0.69 (J)**	NC		<1.0

NOTES: ¹ Dist = Distribution; test for normality was conducted using the Shapiro-Wilks test.

N(X) = data normally distributed at X% level of significance

ln-N(X) = data ln-normally distributed at X% level of significance

NN = data not normally or ln-normally distributed at 95% or 99% level of significance.

ND = baseline data below detection limits. Value shown is the detection limit.

² PL = Prediction limits; calculated as follows:

Normal or ln-normal distribution: parametric intrawell prediction interval (99% one-sided, two-sided for pH)

Non-normal distribution: non-parametric intrawell prediction interval (99% one-sided, two-sided for pH)

ND: any detectable concentrations in compliance wells are considered significant

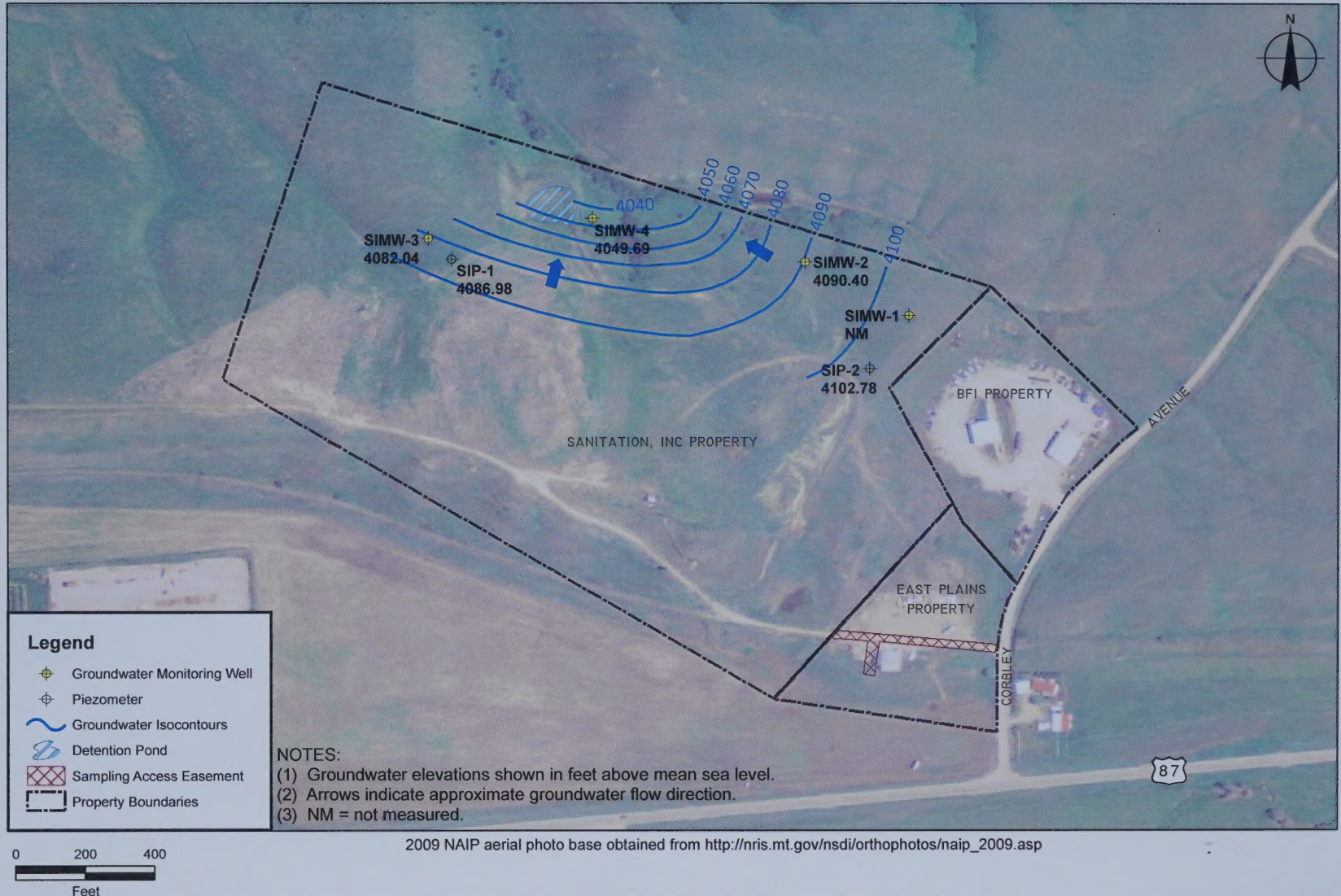
Bold values indicate statistically significant results.

NC = not calculated (most recent sample below detection limit).

*Mann-Kendall trend test indicated no significant increasing (or decreasing for pH) trend.

**Mann-Kendall trend test indicated a significant increasing trend.

FIGURES



Closed Sanitation, Inc. Landfill
June 2010 Groundwater Monitoring Report

JUNE 2010
GROUNDWATER MONITORING LOCATIONS
AND GROUNDWATER ELEVATIONS

FIGURE

1

ATTACHMENT 1

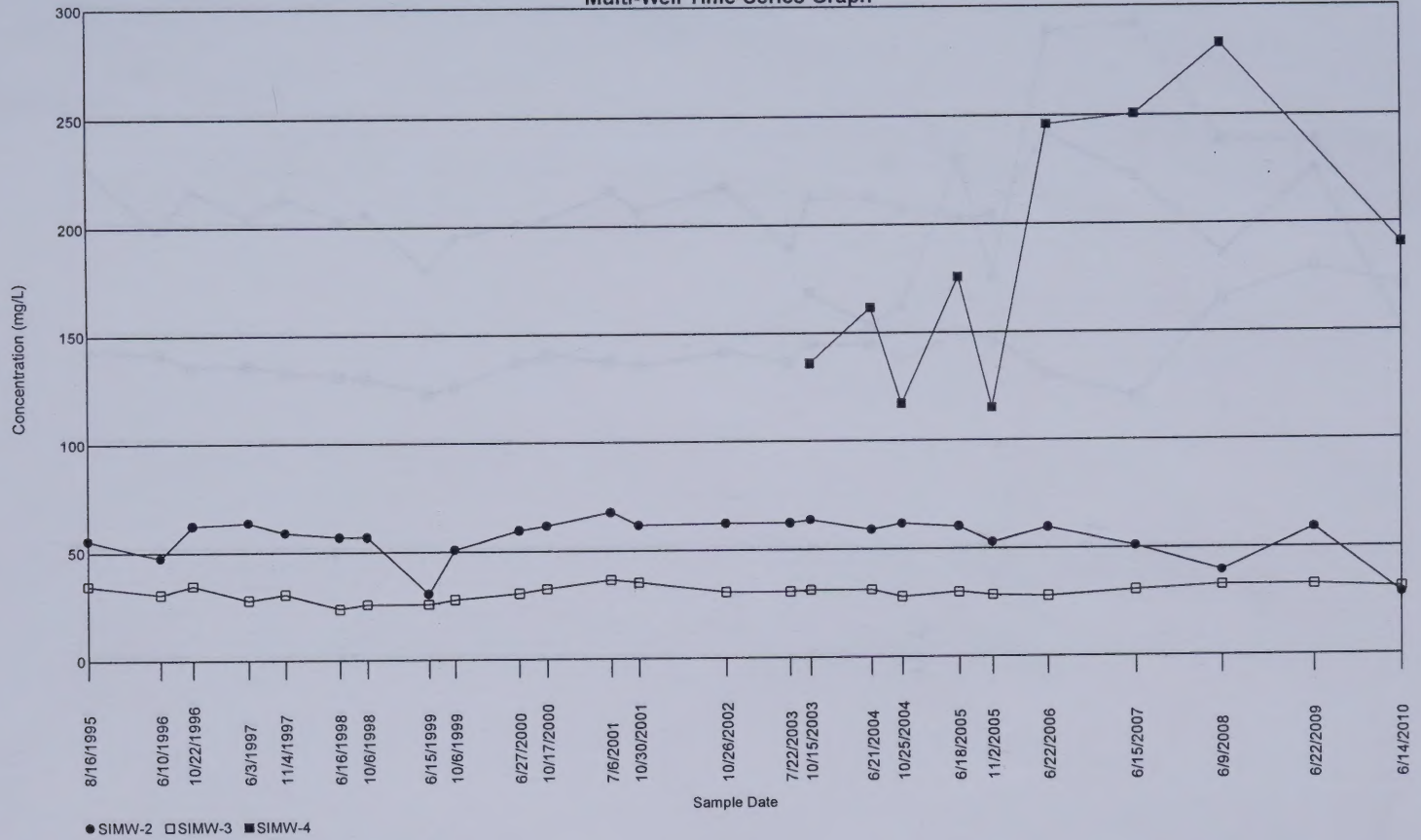
TREND GRAPHS



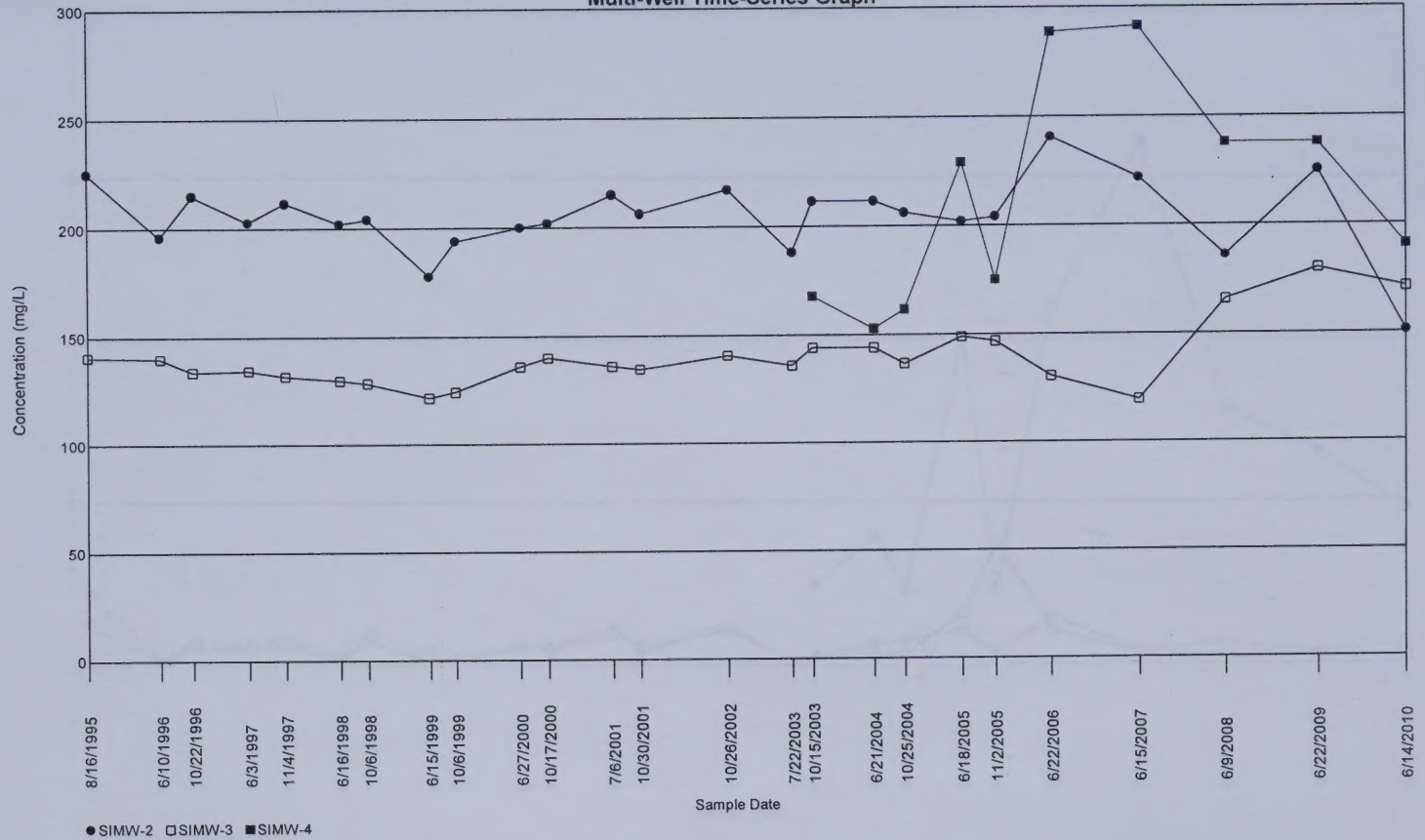
Conductivity
Multi-Well Time-Series Graph



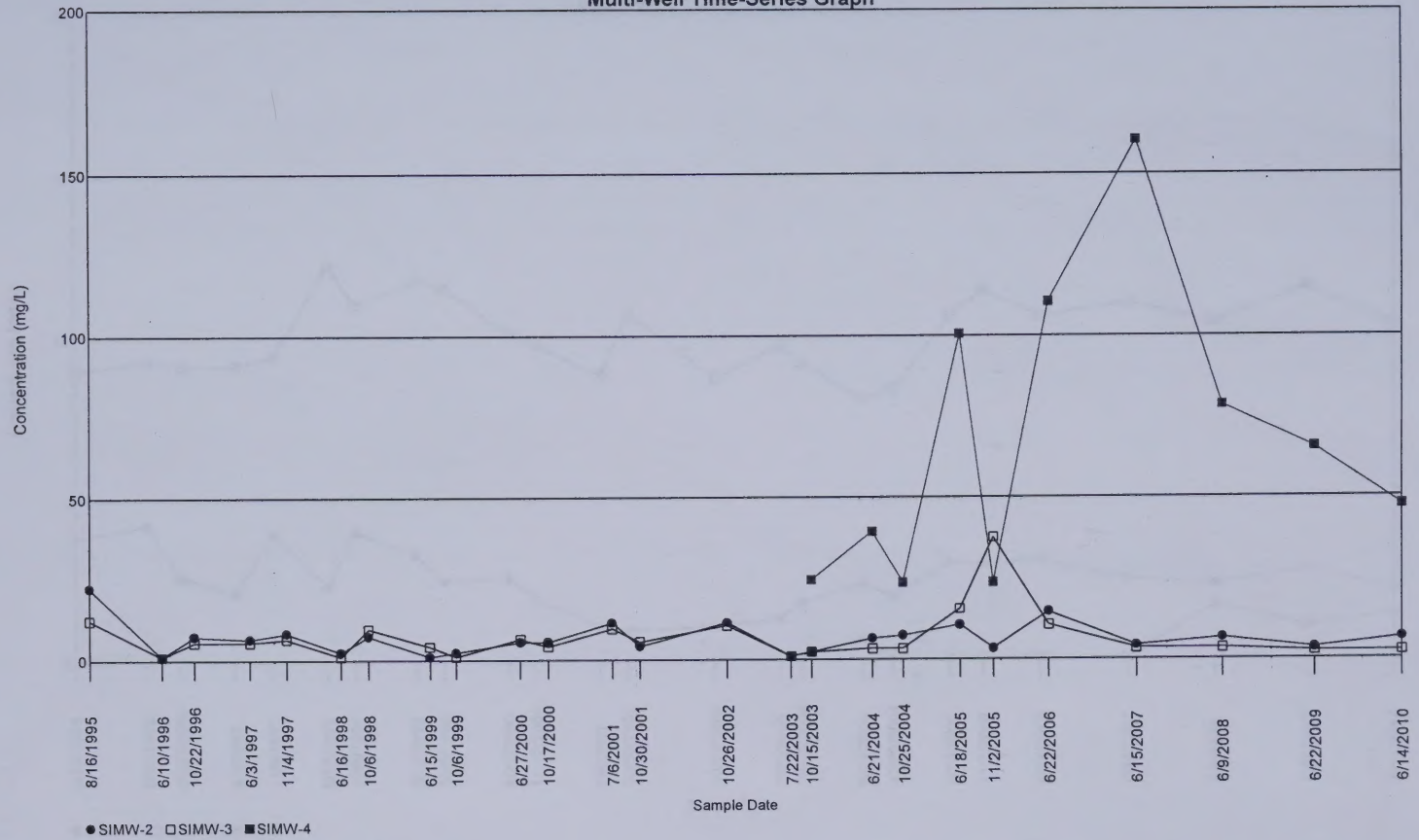
Chloride (Cl)
Multi-Well Time-Series Graph



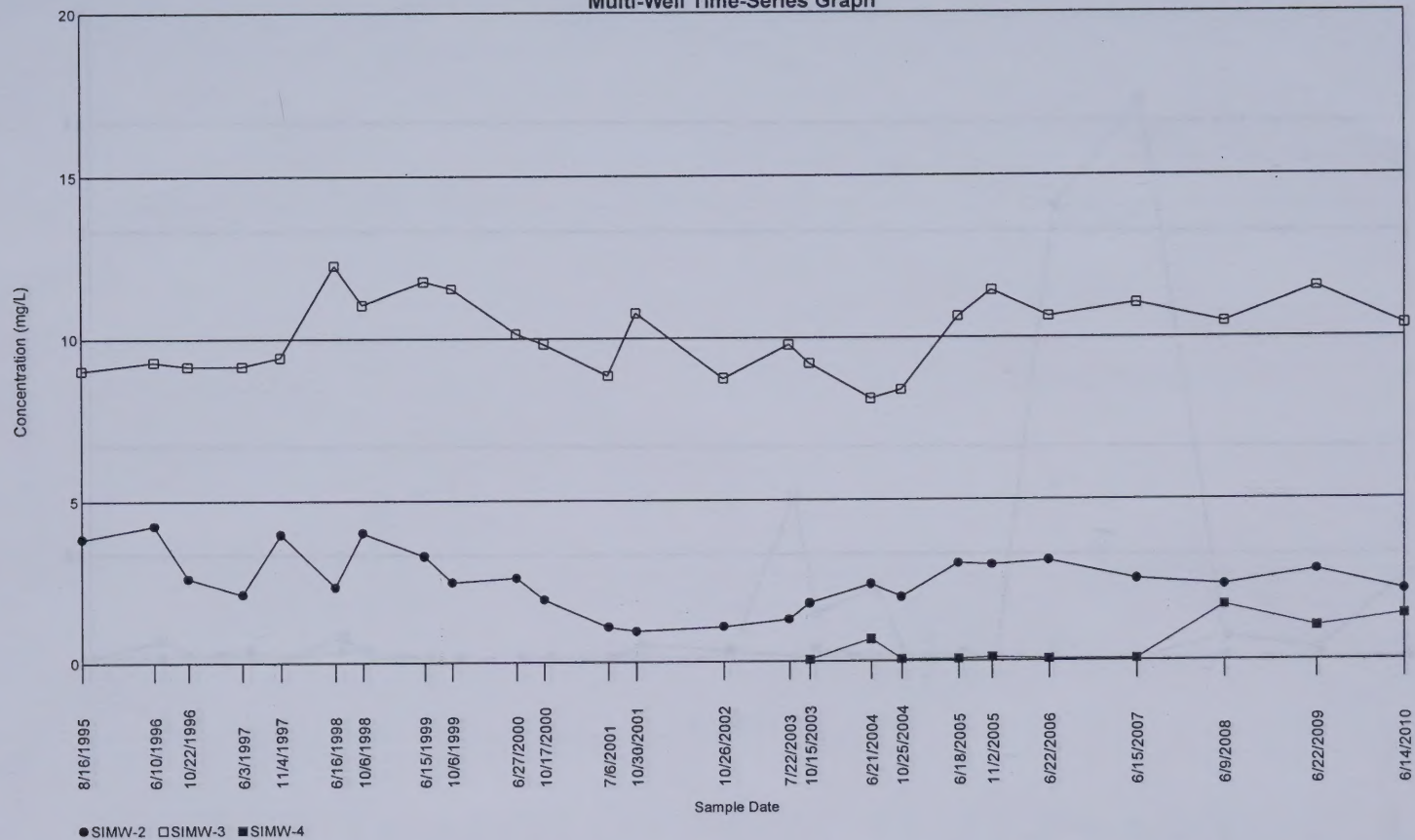
Sulfate (SO4)
Multi-Well Time-Series Graph



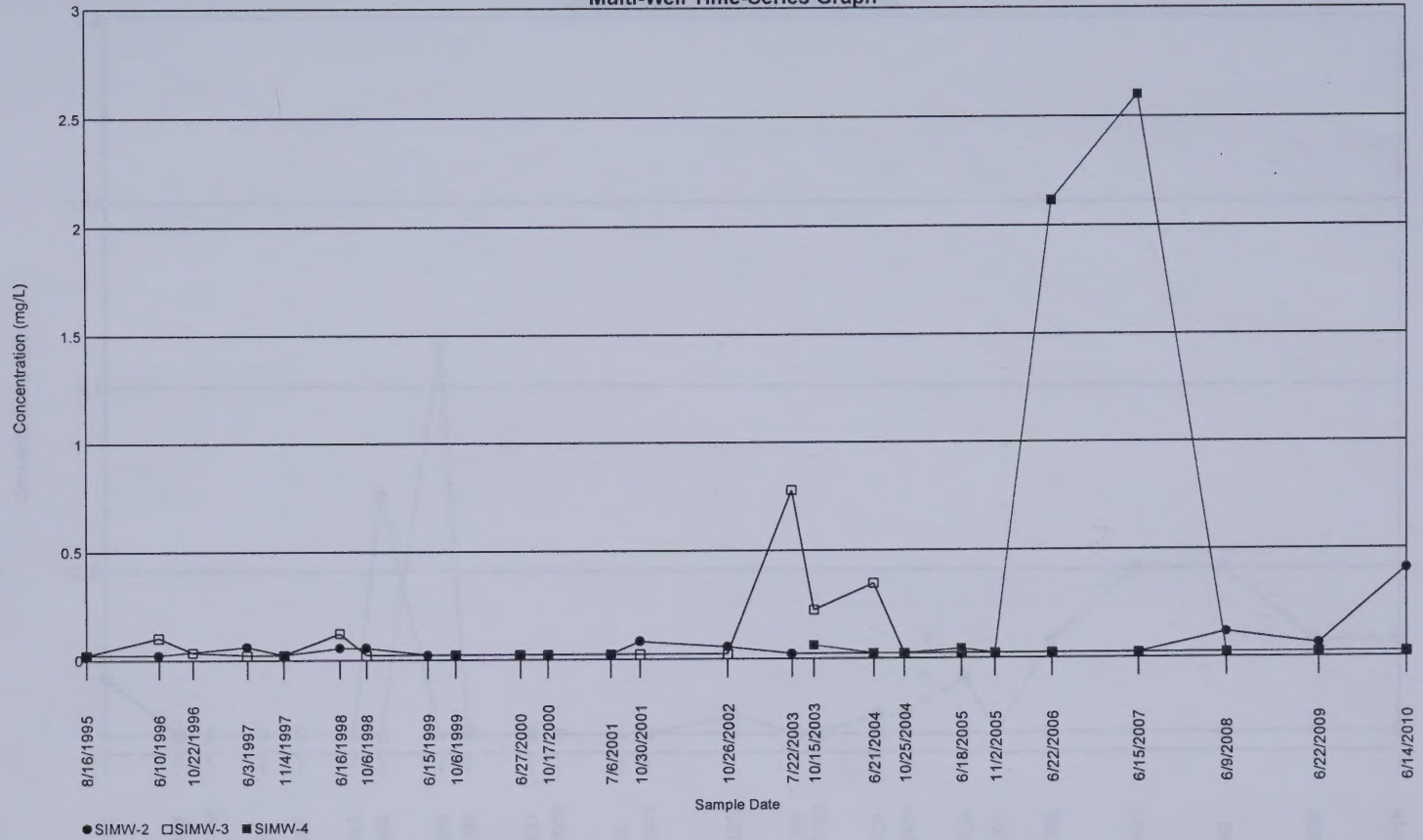
Oxygen Demand, Chemical (COD) Multi-Well Time-Series Graph



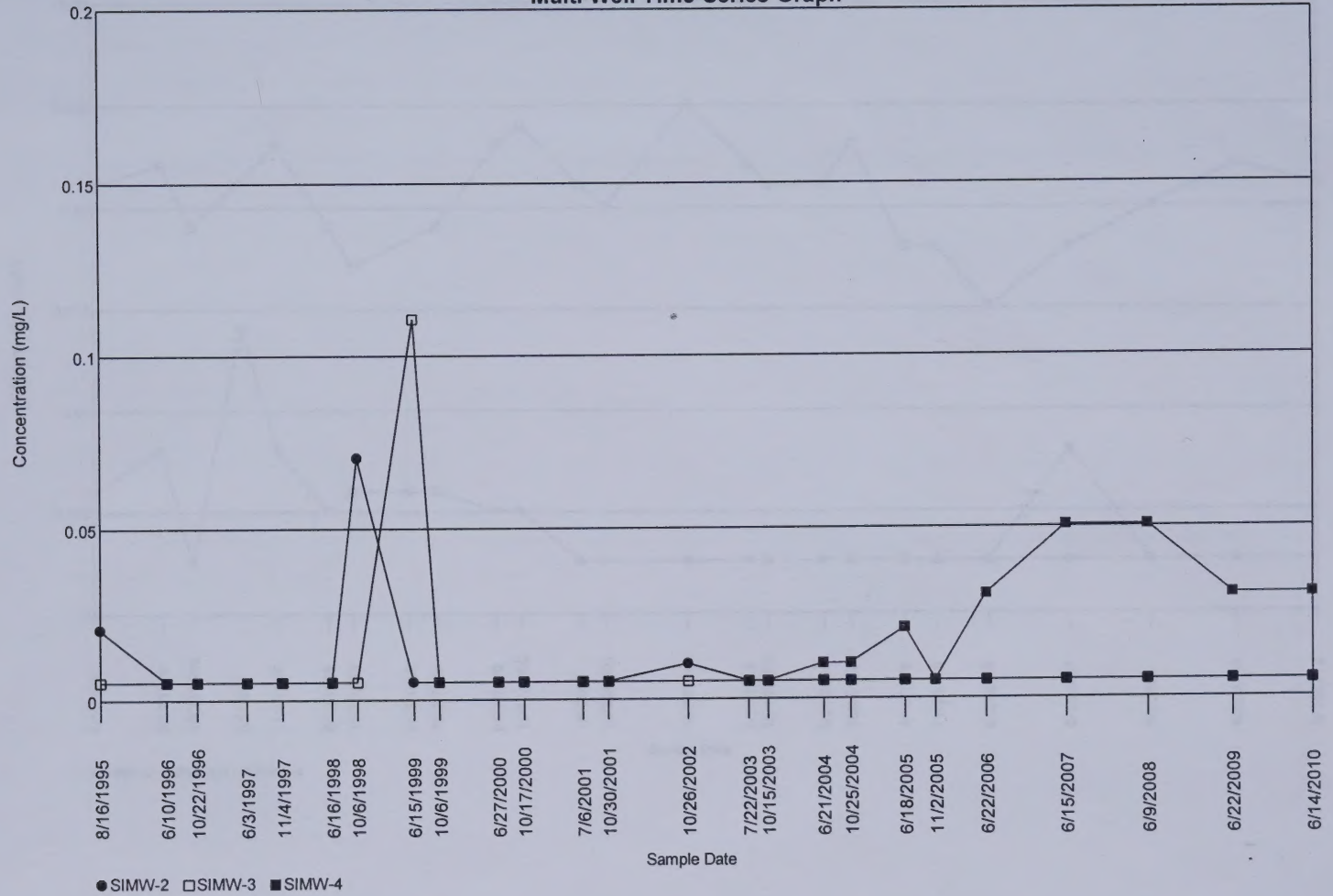
Nitrate + Nitrite as N
Multi-Well Time-Series Graph



Iron (Fe)
Multi-Well Time-Series Graph



Nickel (Ni)
Multi-Well Time-Series Graph

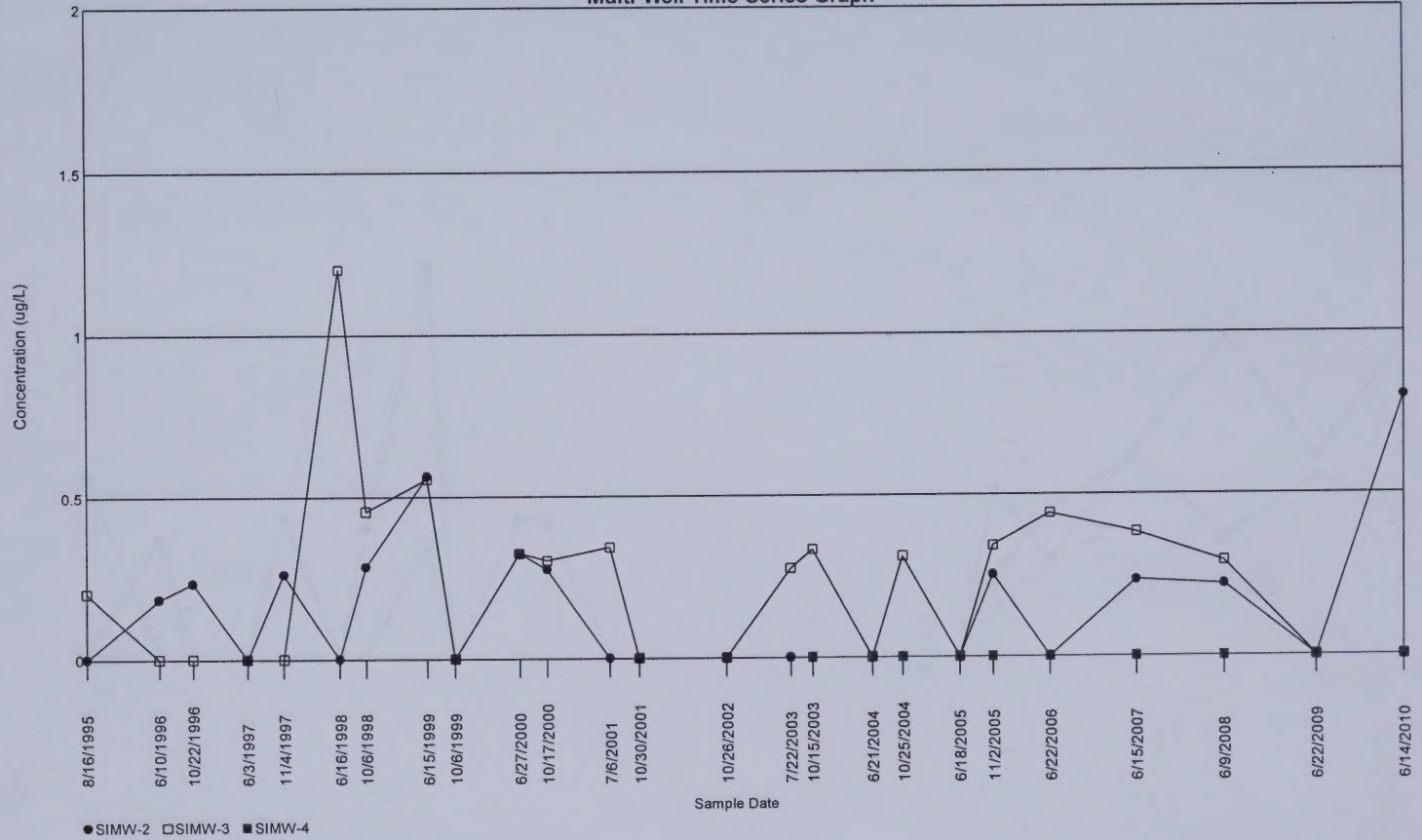


Selenium (Se)
Multi-Well Time-Series Graph

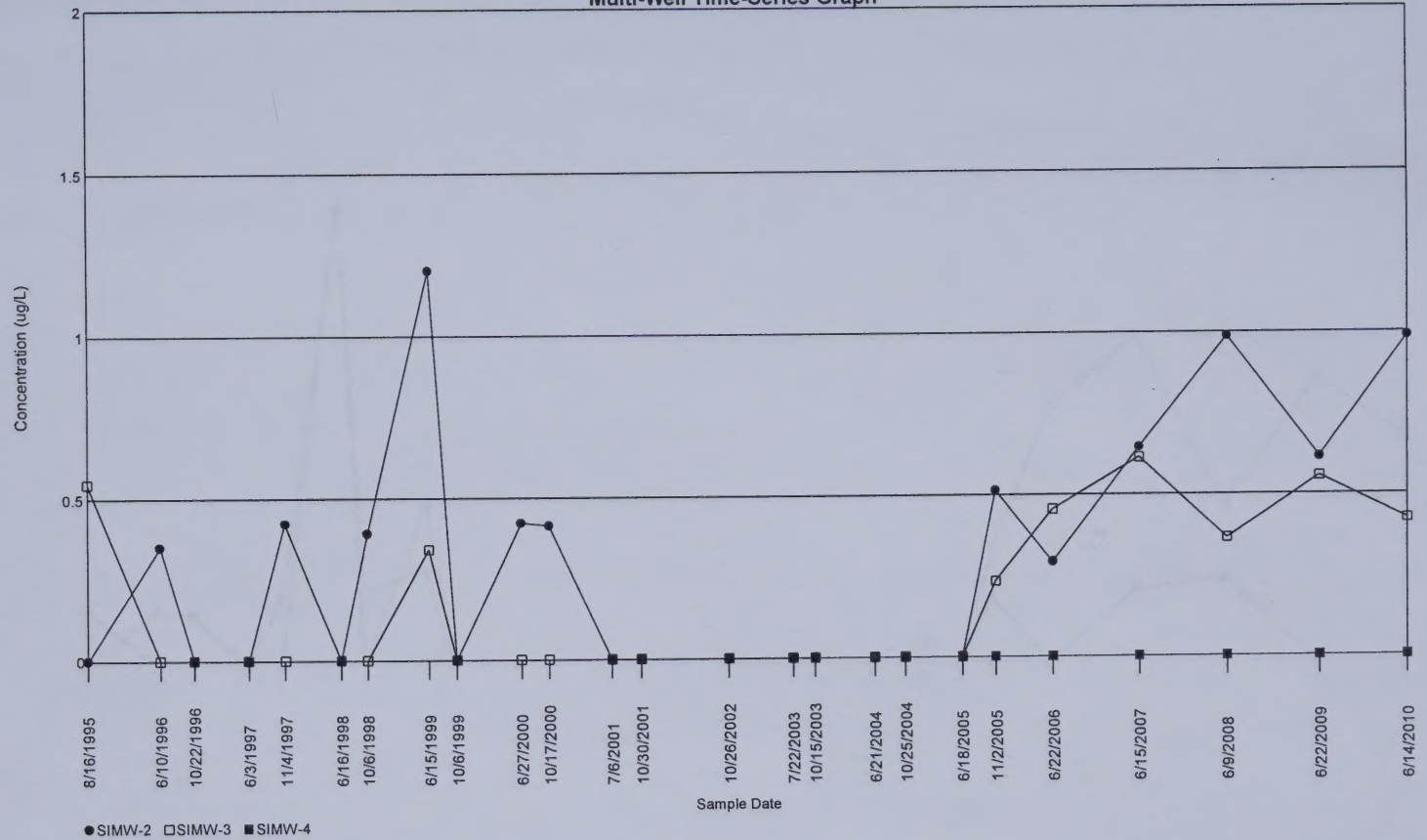




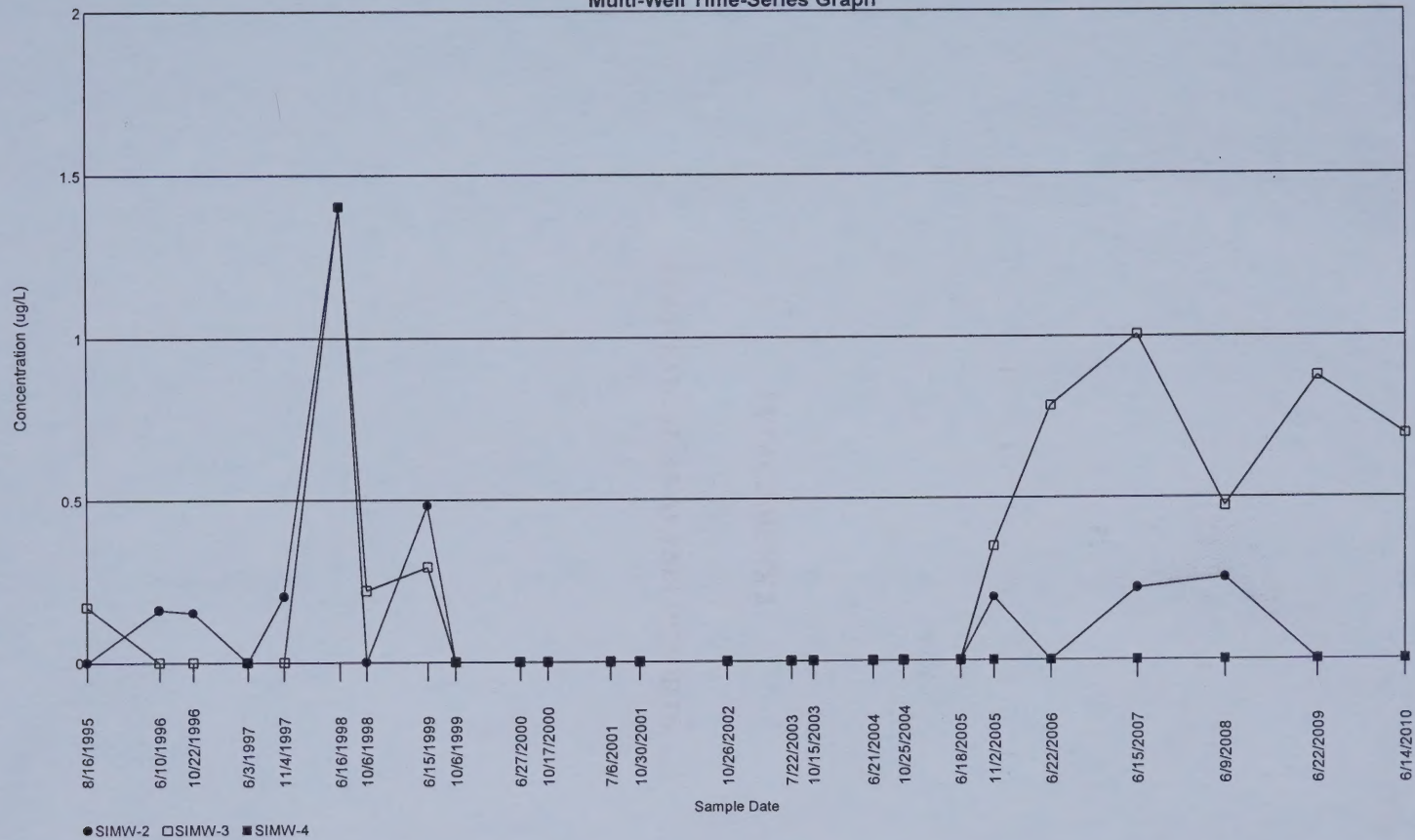
Dichlorodifluoromethane Multi-Well Time-Series Graph



1,1,1-Trichloroethane
Multi-Well Time-Series Graph



Trichlorofluoromethane Multi-Well Time-Series Graph



ATTACHMENT 2

STATISTICAL ANALYSIS REPORTS

ATTACHMENT 3

FIELD FORMS AND LABORATORY REPORT

pH-SC-Temp.

Instrument Calibration Form

Motor Type: Hyd-D15 IC/PH C (03-538)

Serial No: 02064455

Project Name: San Jac CS

Date: 6-14-10

Personnel: B. Danich

Weather: Sunny-70

PH CALIBRATION

<u>Time</u>	<u>Buffer</u>	<u>Temperature</u>	<u>Reading</u>
	4		
1130	7	18.1	7.01 o/c
	10		

Calibration Check:

SC/TECC/ST/CT/AT/CE CALIBRATION

<u>Time</u>	<u>Sample</u>	<u>Temperature</u>	<u>Reading</u>	<u>Calc Factor</u>
1130	1413	18.0	1401	>1413

Notes:

GROUNDWATER MONITORING VOLUMES

Project Location SAN INC Landfill Date Sampled 6-14-10

Well No.	Total Depth (Ft)	Depth to Water (Ft)	Difference (Ft)	1 Well Volume (Diff X .16)	3 Well Volume (X3)
# 2					
Typical	40	33	7	1.12	3.36
This Period		33.3	+ 5 ft		
# 3					
Typical	37.5	29	8.5	1.36	4.1
This Period		28.9		5 ft	
# 4	49.5	27	22.5	3.6	10.8
Typical		28.4	21.1	3.38	10.1
This Period					
Typical					
This Period					
Typical					
This Period					

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: San Inc Lad H 11 Well: 51MW-2
Personnel: B. Damsch
Date: 6-14-10 Time: 1145
Conditions: Sunny 70°
Static Water Level: 33.31 Total Depth Purged: _____
Purge Method: hand bailer Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>29-ldry</u>	<u>16.6</u>	<u>1435</u>	<u>6.86</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 9sec depth 40.1

Comments: _____

51PW2 = 48.56

GARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground Water Monitoring Field Report

Project: Sanitation Trp Landfill Well: S1NW-3,30
Personnel: B Damsch
Date: 6-14-10 Time: 1230
Conditions: Sunny-70
Static Water Level: 28.87 Total Depth Parged: _____
Purge Method: hand bailer Volume Parged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>2 1/2 gal day</u>	<u>14.9</u>	<u>930</u>	<u>7.10</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 7sec depth 37.1

Comments:

S1P-1 33.26

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: Sanitation Trc landfill Well: SNW-4
Personnel: B. Damschen
Date: 6-14-10 Time: 1330

Conditions: unny
Static Water Level: 28.38 Total Depth Purged: _____
Purge Method: hand bail Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>10 1/2</u>	<u>13.7</u>	<u>1769</u>	<u>6.83</u>
2.	<u>11</u>	<u>13.5</u>	<u>1750</u>	<u>6.80</u>
3.	<u>11 1/4</u>	<u>13.5</u>	<u>1749</u>	<u>6.81</u>
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 3 1/2 sec depth 40 in

Comments: _____

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: <i>BARRY Damsche Consulting</i>		Project Name, PWS, Permit, Etc. <i>Sanitation Inc closed landfill</i>		Sample Origin State: <i>MT</i>		EPA/State Compliance: Yes ☒ No ☐																																																																																																																																																																		
Report Mail Address: <i>5531 York RD Helen, MT 59607</i>		Contact Name: <i>BARRY Damsche</i>		Phone/Fax: <i>461-5003</i>		Email: <i>B.Damsche</i>																																																																																																																																																																		
Invoice Address: <i>Sanitation Inc % Bill Spojar PO Box 832 Helena, MT 59457</i>		Invoice Contact & Phone: <i>Bill Spojar 533-8767</i>		Purchase Order:		Quote/Bottle Order:																																																																																																																																																																		
Special Report/Formats – ELI must be notified prior to sample submittal for the following: ☐ DW ☐ A2LA ☐ GSA ☐ EDD/EDT (Electronic Data) ☐ POTW/WWTP ☐ Format: _____ ☐ State: <i>MT</i> ☐ LEVEL IV ☐ Other: <i>Solid waste</i> ☐ NELAC		Number of Containers Sample Type: AWSVB0 Air Water Soils/Solids Vegetation Bioassay Other <i>Table 1</i> <i>Var only</i>		ANALYSIS REQUESTED SEE ATTACHED Normal Turnaround (TAT)		Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments:																																																																																																																																																																		
						Shipped by: <i>Hand Del.</i> Cooler ID(s): Receipt Temp: <i>3.0</i> °C On Ice: Yes ☒ No ☐ Custody Seal Y ☒ N Bottles/Coolers B C Intact Y N Signature Match Y N																																																																																																																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)</th> <th style="width:10%;">Collection Date</th> <th style="width:10%;">Collection Time</th> <th style="width:10%;">MATRIX</th> <th colspan="10"></th> </tr> </thead> <tbody> <tr><td>1 <i>Simw-2</i></td><td rowspan="4"><i>6-14-10</i></td><td><i>1145</i></td><td><i>7w</i></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2 <i>Simw-3D</i></td><td><i>1230</i></td><td><i>7w</i></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3 <i>Simw-3</i></td><td><i>1230</i></td><td><i>7w</i></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4 <i>Simw-4</i></td><td><i>1330</i></td><td><i>7w</i></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX											1 <i>Simw-2</i>	<i>6-14-10</i>	<i>1145</i>	<i>7w</i>												2 <i>Simw-3D</i>	<i>1230</i>	<i>7w</i>												3 <i>Simw-3</i>	<i>1230</i>	<i>7w</i>												4 <i>Simw-4</i>	<i>1330</i>	<i>7w</i>												5															6															7															8															9															10															LABORATORY USE ONLY		Relinquished by (print): <i>BARRY Damsche</i> Date/Time: <i>6-16-10 1630</i> Signature: <i>[Signature]</i>		Received by (print): <i>Wanda Jones</i> Date/Time: <i>6-16-10 1630</i> Signature: <i>[Signature]</i>	
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Sample Disposal: Return to Client: _____ Lab Disposal: ☒		Received by Laboratory: _____ Date/Time: _____ Signature: _____																																																																																																																																																																						

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

 Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



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ANALYTICAL SUMMARY REPORT

July 07, 2010

Sanitation Inc
PO Box 882
Lewistown, MT 59457

Workorder No.: H10060261 Quote ID: H211 - Landfill Parameters
Project Name: Sanitation Inc Closed Landfill

Energy Laboratories Inc received the following 5 samples for Sanitation Inc on 6/16/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H10060261-001	SIMW-2	06/14/10 11:45	06/16/10	Aqueous	Metals by ICP/ICPMS, Dissolved Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H10060261-002	SIMW-3D	06/14/10 12:30	06/16/10	Aqueous	Same As Above
H10060261-003	SIMW-3	06/14/10 12:30	06/16/10	Aqueous	Same As Above
H10060261-004	SIMW-4	06/14/10 13:30	06/16/10	Aqueous	Same As Above
H10060261-005	TB 060210 SHP0245 030810-3	06/14/10 11:45	06/16/10	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

This report was prepared by Energy Laboratories, Inc., 3161 E. Lyndale Ave., Helena, MT 59604. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

Wanda Johnson

Login Supervisor

Digitally signed by
Wanda Johnson

Date: 2010.07.07 13:09:12 -06:00

CLIENT: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Sample Delivery Group: H10060261

Report Date: 07/07/10

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-001
Client Sample ID: SIMW-2

Report Date: 07/07/10
Collection Date: 06/14/10 11:45
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		A4500-H B	06/22/10 15:27 / hm
Conductivity	1650	umhos/cm		1		A2510 B	06/22/10 15:27 / hm
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/21/10 11:48 / eli-b
Chloride	28	mg/L	D	2		E300.0	06/23/10 14:18 / zeg
Sulfate	150	mg/L	D	5		E300.0	06/23/10 14:18 / zeg
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		1		E410.4	06/23/10 16:00 / stp
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.14	mg/L		0.05		E353.2	06/17/10 12:06 / stp
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/25/10 23:06 / dck
Arsenic	ND	mg/L		0.005		E200.8	06/25/10 23:06 / dck
Barium	ND	mg/L		0.1		E200.8	06/25/10 23:06 / dck
Beryllium	ND	mg/L		0.001		E200.8	06/25/10 23:06 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/25/10 23:06 / dck
Chromium	ND	mg/L		0.01		E200.8	06/25/10 23:06 / dck
Cobalt	ND	mg/L		0.01		E200.8	06/25/10 23:06 / dck
Copper	ND	mg/L		0.01		E200.8	06/25/10 23:06 / dck
Iron	0.40	mg/L		0.03		E200.8	06/25/10 23:06 / dck
Lead	ND	mg/L		0.01		E200.8	06/25/10 23:06 / dck
Mercury	ND	mg/L		0.001		E200.8	06/25/10 23:06 / dck
Nickel	ND	mg/L		0.01		E200.8	06/25/10 23:06 / dck
Selenium	ND	mg/L		0.005		E200.8	06/25/10 23:06 / dck
Silver	ND	mg/L		0.005		E200.8	06/25/10 23:06 / dck
Thallium	ND	mg/L		0.005		E200.8	06/25/10 23:06 / dck
Vanadium	ND	mg/L		0.1		E200.8	06/25/10 23:06 / dck
Zinc	0.02	mg/L		0.01		E200.8	06/25/10 23:06 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/23/10 17:50 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/23/10 17:50 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-001
Client Sample ID: SIMW-2

Report Date: 07/07/10
Collection Date: 06/14/10 11:45
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Dichlorodifluoromethane	0.80	ug/L	J	1.0		SW8260B	06/23/10 17:50 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/23/10 17:50 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/23/10 17:50 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/23/10 17:50 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,1,1-Trichloroethane	0.98	ug/L	J	1.0		SW8260B	06/23/10 17:50 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/23/10 17:50 / abb
Surr: 1,2-Dichloroethane-d4	126	%REC		70-130		SW8260B	06/23/10 17:50 / abb
Surr: Dibromofluoromethane	122	%REC		70-130		SW8260B	06/23/10 17:50 / abb

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-001
Client Sample ID SIMW-2

Report Date: 07/07/10
Collection Date: 06/14/10 11:45
DateReceived: 06/16/10
Matrix: Aqueous

[illegible]

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-002
Client Sample ID SIMW-3D

Report Date: 07/07/10
Collection Date: 06/14/10 12:30
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.8	s.u.		0.1		A4500-H B	06/22/10 15:31 / hm
Conductivity	1220	umhos/cm		1		A2510 B	06/22/10 15:31 / hm
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/21/10 11:49 / eli-b
Chloride	30	mg/L	D	2		E300.0	06/23/10 14:35 / zeg
Sulfate	170	mg/L	D	5		E300.0	06/23/10 14:35 / zeg
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	2	mg/L		1		E410.4	06/23/10 16:00 / stp
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	10	mg/L	D	0.1		E353.2	06/17/10 12:12 / stp
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/25/10 23:13 / dck
Arsenic	ND	mg/L		0.005		E200.8	06/25/10 23:13 / dck
Barium	ND	mg/L		0.1		E200.8	06/25/10 23:13 / dck
Beryllium	ND	mg/L		0.001		E200.8	06/25/10 23:13 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/25/10 23:13 / dck
Chromium	ND	mg/L		0.01		E200.8	06/25/10 23:13 / dck
Cobalt	ND	mg/L		0.01		E200.8	06/25/10 23:13 / dck
Copper	ND	mg/L		0.01		E200.8	06/25/10 23:13 / dck
Iron	ND	mg/L		0.03		E200.8	06/25/10 23:13 / dck
Lead	ND	mg/L		0.01		E200.8	06/25/10 23:13 / dck
Mercury	ND	mg/L		0.001		E200.8	06/25/10 23:13 / dck
Nickel	ND	mg/L		0.01		E200.8	06/25/10 23:13 / dck
Selenium	0.020	mg/L		0.005		E200.8	06/25/10 23:13 / dck
Silver	ND	mg/L		0.005		E200.8	06/25/10 23:13 / dck
Thallium	ND	mg/L		0.005		E200.8	06/25/10 23:13 / dck
Vanadium	ND	mg/L		0.1		E200.8	06/25/10 23:13 / dck
Zinc	ND	mg/L		0.01		E200.8	06/25/10 23:13 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/24/10 21:17 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/24/10 21:17 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-002
Client Sample ID: SIMW-3D

Report Date: 07/07/10
Collection Date: 06/14/10 12:30
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/24/10 21:17 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/24/10 21:17 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/24/10 21:17 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
1,1,1-Trichloroethane	0.42	ug/L	J	1.0		SW8260B	06/24/10 21:17 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Trichlorofluoromethane	0.68	ug/L	J	1.0		SW8260B	06/24/10 21:17 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/24/10 21:17 / abb
Surr: 1,2-Dichloroethane-d4	132	%REC	S	70-130		SW8260B	06/24/10 21:17 / abb
Surr: Dibromofluoromethane	119	%REC		70-130		SW8260B	06/24/10 21:17 / abb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 J - Estimated value. The analyte was present but less than the reporting limit.
 MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 S - Spike recovery outside of advisory limits.

LABORATORY ANALYTICAL REPORT

Report Date: 07/07/10
Collection Date: 06/14/10 12:30
DateReceived: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: p-Bromofluorobenzene	106	%REC		70-130	SW8260B		06/24/10 21:17 / abb
Surr: Toluene-d8	97.0	%REC		70-130	SW8260B		06/24/10 21:17 / abb

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-003
Client Sample ID SIMW-3

Report Date: 07/07/10
Collection Date: 06/14/10 12:30
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.8	s.u.		0.1		A4500-H B	06/22/10 15:35 / hm
Conductivity	1190	umhos/cm		1		A2510 B	06/22/10 15:35 / hm
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/21/10 11:51 / eli-b
Chloride	31	mg/L	D	2		E300.0	06/23/10 15:24 / zeg
Sulfate	170	mg/L	D	5		E300.0	06/23/10 15:24 / zeg
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	06/23/10 16:00 / stp
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	10.3	mg/L	D	0.1		E353.2	06/17/10 12:14 / stp
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/25/10 23:19 / dck
Arsenic	ND	mg/L		0.005		E200.8	06/25/10 23:19 / dck
Barium	ND	mg/L		0.1		E200.8	06/25/10 23:19 / dck
Beryllium	ND	mg/L		0.001		E200.8	06/25/10 23:19 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/25/10 23:19 / dck
Chromium	ND	mg/L		0.01		E200.8	06/25/10 23:19 / dck
Cobalt	ND	mg/L		0.01		E200.8	06/25/10 23:19 / dck
Copper	ND	mg/L		0.01		E200.8	06/25/10 23:19 / dck
Iron	ND	mg/L		0.03		E200.8	06/25/10 23:19 / dck
Lead	ND	mg/L		0.01		E200.8	06/25/10 23:19 / dck
Mercury	ND	mg/L		0.001		E200.8	06/25/10 23:19 / dck
Nickel	ND	mg/L		0.01		E200.8	06/25/10 23:19 / dck
Selenium	0.021	mg/L		0.005		E200.8	06/25/10 23:19 / dck
Silver	ND	mg/L		0.005		E200.8	06/25/10 23:19 / dck
Thallium	ND	mg/L		0.005		E200.8	06/25/10 23:19 / dck
Vanadium	ND	mg/L		0.1		E200.8	06/25/10 23:19 / dck
Zinc	ND	mg/L		0.01		E200.8	06/25/10 23:19 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/24/10 20:47 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/24/10 20:47 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-003
Client Sample ID: SIMW-3

Report Date: 07/07/10
Collection Date: 06/14/10 12:30
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/24/10 20:47 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/24/10 20:47 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/24/10 20:47 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
1,1,1-Trichloroethane	0.42	ug/L	J	1.0		SW8260B	06/24/10 20:47 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Trichlorofluoromethane	0.69	ug/L	J	1.0		SW8260B	06/24/10 20:47 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/24/10 20:47 / abb
Surr: 1,2-Dichloroethane-d4	136	%REC	S	70-130		SW8260B	06/24/10 20:47 / abb
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	06/24/10 20:47 / abb

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-003
Client Sample ID SIMW-3

Report Date: 07/07/10
Collection Date: 06/14/10 12:30
DateReceived: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: p-Bromofluorobenzene	100	%REC		70-130		SW8260B	06/24/10 20:47 / abb
Surr: Toluene-d8	105	%REC		70-130		SW8260B	06/24/10 20:47 / abb
1,1,1-Trichloroethane	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,1,2-Trichloroethane	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,2-Dichloroethane	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,2-Dichlorobenzene	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,3-Dichlorobenzene	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d4	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d6	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d8	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d10	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d12	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d14	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d16	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d18	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d20	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d22	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d24	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d26	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d28	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d30	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d32	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d34	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d36	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d38	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d40	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d42	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d44	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d46	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d48	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d50	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d52	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d54	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d56	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d58	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d60	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d62	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d64	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d66	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d68	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d70	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d72	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d74	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d76	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d78	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d80	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d82	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d84	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d86	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d88	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d90	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d92	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d94	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d96	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d98	100	%		100	100	SW8260B	06/24/10 20:47 / abb
1,4-Dichlorobenzene-d100	100	%		100	100	SW8260B	06/24/10 20:47 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-004
Client Sample ID: SIMW-4

Report Date: 07/07/10
Collection Date: 06/14/10 13:30
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		A4500-H B	06/22/10 15:39 / hm
Conductivity	2440	umhos/cm		1		A2510 B	06/22/10 15:39 / hm
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/21/10 11:53 / eli-b
Chloride	190	mg/L	D	5		E300.0	06/23/10 15:40 / zeg
Sulfate	190	mg/L	D	10		E300.0	06/23/10 15:40 / zeg
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	47	mg/L		1		E410.4	06/23/10 16:00 / stp
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.36	mg/L		0.05		E353.2	06/17/10 12:16 / stp
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	06/25/10 23:26 / dck
Arsenic	ND	mg/L		0.005		E200.8	06/25/10 23:26 / dck
Barium	ND	mg/L		0.1		E200.8	06/25/10 23:26 / dck
Beryllium	ND	mg/L		0.001		E200.8	06/25/10 23:26 / dck
Cadmium	ND	mg/L		0.001		E200.8	06/25/10 23:26 / dck
Chromium	ND	mg/L		0.01		E200.8	06/25/10 23:26 / dck
Cobalt	ND	mg/L		0.01		E200.8	06/25/10 23:26 / dck
Copper	ND	mg/L		0.01		E200.8	06/25/10 23:26 / dck
Iron	ND	mg/L		0.03		E200.8	06/25/10 23:26 / dck
Lead	ND	mg/L		0.01		E200.8	06/25/10 23:26 / dck
Mercury	ND	mg/L		0.001		E200.8	06/25/10 23:26 / dck
Nickel	0.03	mg/L		0.01		E200.8	06/25/10 23:26 / dck
Selenium	ND	mg/L		0.005		E200.8	06/25/10 23:26 / dck
Silver	ND	mg/L		0.005		E200.8	06/25/10 23:26 / dck
Thallium	ND	mg/L		0.005		E200.8	06/25/10 23:26 / dck
Vanadium	ND	mg/L		0.1		E200.8	06/25/10 23:26 / dck
Zinc	0.02	mg/L		0.01		E200.8	06/25/10 23:26 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/23/10 13:19 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/23/10 13:19 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-004
Client Sample ID: SIMW-4

Report Date: 07/07/10
Collection Date: 06/14/10 13:30
Date Received: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/23/10 13:19 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/23/10 13:19 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/23/10 13:19 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/23/10 13:19 / abb
Surr: 1,2-Dichloroethane-d4	127	%REC		70-130		SW8260B	06/23/10 13:19 / abb
Surr: Dibromofluoromethane	122	%REC		70-130		SW8260B	06/23/10 13:19 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-004
Client Sample ID SIMW-4

Report Date: 07/07/10
Collection Date: 06/14/10 13:30
DateReceived: 06/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: p-Bromofluorobenzene	102	%REC		70-130		SW8260B	06/23/10 13:19 / abb
Surr: Toluene-d8	101	%REC		70-130		SW8260B	06/23/10 13:19 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-005
Client Sample ID TB 060210 SHP0245 030810-3

Report Date: 07/07/10
Collection Date: 06/14/10 11:45
Date Received: 06/16/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/23/10 11:19 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/23/10 11:19 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/23/10 11:19 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/23/10 11:19 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/23/10 11:19 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill
Lab ID: H10060261-005
Client Sample ID TB 060210 SHP0245 030810-3

Report Date: 07/07/10
Collection Date: 06/14/10 11:45
DateReceived: 06/16/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/23/10 11:19 / abb
Surr: 1,2-Dichloroethane-d4	119	%REC		70-130		SW8260B	06/23/10 11:19 / abb
Surr: Dibromofluoromethane	125	%REC		70-130		SW8260B	06/23/10 11:19 / abb
Surr: p-Bromofluorobenzene	102	%REC		70-130		SW8260B	06/23/10 11:19 / abb
Surr: Toluene-d8	103	%REC		70-130		SW8260B	06/23/10 11:19 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

[illegible]

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Analytical Run: MAN-TECH_100622A		
Sample ID: ICV-1483		Initial Calibration Verification Standard								06/22/10 14:53
pH		7.01	s.u.	0.10	100	99	101			
Method: A4500-H B								Batch: R63203		
Sample ID: LCS-1483		Laboratory Control Sample								06/22/10 16:59
pH		7.02	s.u.	0.10	100	99	101			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8		Analytical Run: ICMS204-B_100625A								
Sample ID: ICV STD		17 Initial Calibration Verification Standard								06/25/10 17:20
Antimony		0.0494	mg/L	0.050	99	90	110			
Arsenic		0.0485	mg/L	0.0050	97	90	110			
Barium		0.0502	mg/L	0.10	100	90	110			
Beryllium		0.0252	mg/L	0.0010	101	90	110			
Cadmium		0.0257	mg/L	0.0010	103	90	110			
Chromium		0.0496	mg/L	0.010	99	90	110			
Cobalt		0.0499	mg/L	0.010	100	90	110			
Copper		0.0507	mg/L	0.010	101	90	110			
Iron		0.253	mg/L	0.030	99	90	110			
Lead		0.0493	mg/L	0.010	99	90	110			
Mercury		0.00192	mg/L	0.0010	96	90	110			
Nickel		0.0501	mg/L	0.010	100	90	110			
Selenium		0.0500	mg/L	0.0050	100	90	110			
Silver		0.0249	mg/L	0.0050	99	90	110			
Thallium		0.0493	mg/L	0.10	99	90	110			
Vanadium		0.0490	mg/L	0.10	98	90	110			
Zinc		0.0496	mg/L	0.010	99	90	110			
Sample ID: ICSA		17 Interference Check Sample A								06/25/10 17:20
Antimony		0.000270	mg/L	0.050						
Arsenic		0.000106	mg/L	0.0050						
Barium		0.00104	mg/L	0.10						
Beryllium		3.00E-06	mg/L	0.0010						
Cadmium		0.000333	mg/L	0.0010						
Chromium		0.000629	mg/L	0.010						
Cobalt		0.00155	mg/L	0.010						
Copper		0.00168	mg/L	0.010						
Iron		103	mg/L	0.030	103	70	130			
Lead		9.40E-05	mg/L	0.010						
Mercury		4.20E-05	mg/L	0.0010						
Nickel		0.00109	mg/L	0.010						
Selenium		3.20E-05	mg/L	0.0050						
Silver		0.000120	mg/L	0.0050						
Thallium		2.40E-05	mg/L	0.10						
Vanadium		7.80E-05	mg/L	0.10						
Zinc		0.00111	mg/L	0.010						
Sample ID: ICSAB		17 Interference Check Sample AB								06/25/10 17:34
Antimony		0.000183	mg/L	0.050		0	0			
Arsenic		0.0103	mg/L	0.0050	103	70	130			
Barium		0.00114	mg/L	0.10		0	0			
Beryllium		1.50E-05	mg/L	0.0010		0	0			
Cadmium		0.0103	mg/L	0.0010	103	70	130			
Chromium		0.0206	mg/L	0.010	103	70	130			
Cobalt		0.0220	mg/L	0.010	110	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8		Analytical Run: ICPMS204-B_100625A								
Sample ID: ICSAB		17 Interference Check Sample AB								06/25/10 17:34
Copper		0.0216	mg/L	0.010	108	70	130			
Iron		101	mg/L	0.030	101	70	130			
Lead		9.00E-05	mg/L	0.010		0	0			
Mercury		3.90E-05	mg/L	0.0010		0	0			
Nickel		0.0210	mg/L	0.010	105	70	130			
Selenium		0.0102	mg/L	0.0050	102	70	130			
Silver		0.0201	mg/L	0.0050	100	70	130			
Thallium		2.00E-06	mg/L	0.10		0	0			
Vanadium		0.0202	mg/L	0.10	101	70	130			
Zinc		0.0110	mg/L	0.010	110	70	130			
Sample ID: ICV STD		17 Initial Calibration Verification Standard								06/25/10 20:57
Antimony		0.0495	mg/L	0.050	99	90	110			
Arsenic		0.0498	mg/L	0.0050	100	90	110			
Barium		0.0505	mg/L	0.10	101	90	110			
Beryllium		0.0248	mg/L	0.0010	99	90	110			
Cadmium		0.0259	mg/L	0.0010	103	90	110			
Chromium		0.0494	mg/L	0.010	99	90	110			
Cobalt		0.0508	mg/L	0.010	102	90	110			
Copper		0.0507	mg/L	0.010	101	90	110			
Iron		0.258	mg/L	0.030	101	90	110			
Lead		0.0491	mg/L	0.010	98	90	110			
Mercury		0.00195	mg/L	0.0010	97	90	110			
Nickel		0.0494	mg/L	0.010	99	90	110			
Selenium		0.0486	mg/L	0.0050	97	90	110			
Silver		0.0251	mg/L	0.0050	100	90	110			
Thallium		0.0488	mg/L	0.10	98	90	110			
Vanadium		0.0488	mg/L	0.10	98	90	110			
Zinc		0.0501	mg/L	0.010	100	90	110			
Sample ID: ICSA		17 Interference Check Sample A								06/26/10 05:23
Antimony		0.000137	mg/L	0.050						
Arsenic		0.000162	mg/L	0.0050						
Barium		0.00104	mg/L	0.10						
Beryllium		9.00E-06	mg/L	0.0010						
Cadmium		0.000302	mg/L	0.0010						
Chromium		0.000739	mg/L	0.010						
Cobalt		0.00154	mg/L	0.010						
Copper		0.00131	mg/L	0.010						
Iron		101	mg/L	0.030	101	70	130			
Lead		7.00E-05	mg/L	0.010						
Mercury		1.60E-05	mg/L	0.0010						
Nickel		0.00106	mg/L	0.010						
Selenium		2.20E-05	mg/L	0.0050						
Silver		6.40E-05	mg/L	0.0050						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8		Analytical Run: ICPMS204-B_100625A								
Sample ID: ICSA	17	Interference Check Sample A							06/26/10 05:23	
Thallium		3.00E-06	mg/L	0.10						
Vanadium		7.60E-05	mg/L	0.10						
Zinc		0.00120	mg/L	0.010						
Sample ID: ICSAB	17	Interference Check Sample AB							06/26/10 05:29	
Antimony		0.000133	mg/L	0.050		0	0			
Arsenic		0.0105	mg/L	0.0050	105	70	130			
Barium		0.00111	mg/L	0.10		0	0			
Beryllium		1.90E-05	mg/L	0.0010		0	0			
Cadmium		0.0103	mg/L	0.0010	103	70	130			
Chromium		0.0205	mg/L	0.010	102	70	130			
Cobalt		0.0222	mg/L	0.010	111	70	130			
Copper		0.0213	mg/L	0.010	106	70	130			
Iron		100	mg/L	0.030	100	70	130			
Lead		7.90E-05	mg/L	0.010		0	0			
Mercury		7.00E-06	mg/L	0.0010		0	0			
Nickel		0.0212	mg/L	0.010	106	70	130			
Selenium		0.0100	mg/L	0.0050	100	70	130			
Silver		0.0202	mg/L	0.0050	101	70	130			
Thallium		1.30E-05	mg/L	0.10		0	0			
Vanadium		0.0204	mg/L	0.10	102	70	130			
Zinc		0.0101	mg/L	0.010	101	70	130			
Sample ID: ICV STD	17	Initial Calibration Verification Standard							06/26/10 09:26	
Antimony		0.0499	mg/L	0.050	100	90	110			
Arsenic		0.0498	mg/L	0.0050	100	90	110			
Barium		0.0502	mg/L	0.10	100	90	110			
Beryllium		0.0247	mg/L	0.0010	99	90	110			
Cadmium		0.0261	mg/L	0.0010	104	90	110			
Chromium		0.0494	mg/L	0.010	99	90	110			
Cobalt		0.0509	mg/L	0.010	102	90	110			
Copper		0.0510	mg/L	0.010	102	90	110			
Iron		0.260	mg/L	0.030	102	90	110			
Lead		0.0494	mg/L	0.010	99	90	110			
Mercury		0.00195	mg/L	0.0010	97	90	110			
Nickel		0.0504	mg/L	0.010	101	90	110			
Selenium		0.0500	mg/L	0.0050	100	90	110			
Silver		0.0254	mg/L	0.0050	101	90	110			
Thallium		0.0500	mg/L	0.10	100	90	110			
Vanadium		0.0491	mg/L	0.10	98	90	110			
Zinc		0.0508	mg/L	0.010	102	90	110			
Sample ID: ICSA	17	Interference Check Sample A							06/26/10 09:33	
Antimony		0.000286	mg/L	0.050						
Arsenic		0.000144	mg/L	0.0050						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8		Analytical Run: ICPMS204-B_100625A								
Sample ID: ICSA		17 Interference Check Sample A								06/26/10 09:33
Barium		0.00108	mg/L	0.10						
Beryllium		1.00E-06	mg/L	0.0010						
Cadmium		0.000341	mg/L	0.0010						
Chromium		0.000593	mg/L	0.010						
Cobalt		0.00158	mg/L	0.010						
Copper		0.00131	mg/L	0.010						
Iron		99.8	mg/L	0.030	100	70	130			
Lead		7.60E-05	mg/L	0.010						
Mercury		5.40E-05	mg/L	0.0010						
Nickel		0.00107	mg/L	0.010						
Selenium		2.00E-05	mg/L	0.0050						
Silver		0.000136	mg/L	0.0050						
Thallium		1.00E-06	mg/L	0.10						
Vanadium		0.000111	mg/L	0.10						
Zinc		0.00111	mg/L	0.010						
Sample ID: ICSAB		17 Interference Check Sample AB								06/26/10 09:40
Antimony		0.000164	mg/L	0.050		0	0			
Arsenic		0.0103	mg/L	0.0050	103	70	130			
Barium		0.00111	mg/L	0.10		0	0			
Beryllium		5.00E-06	mg/L	0.0010		0	0			
Cadmium		0.0102	mg/L	0.0010	102	70	130			
Chromium		0.0206	mg/L	0.010	103	70	130			
Cobalt		0.0224	mg/L	0.010	112	70	130			
Copper		0.0214	mg/L	0.010	107	70	130			
Iron		99.3	mg/L	0.030	99	70	130			
Lead		6.60E-05	mg/L	0.010		0	0			
Mercury		3.30E-05	mg/L	0.0010		0	0			
Nickel		0.0215	mg/L	0.010	108	70	130			
Selenium		0.0100	mg/L	0.0050	100	70	130			
Silver		0.0196	mg/L	0.0050	98	70	130			
Thallium		1.80E-05	mg/L	0.10		0	0			
Vanadium		0.0202	mg/L	0.10	101	70	130			
Zinc		0.0106	mg/L	0.010	106	70	130			
Method: E200.8		Batch: R63292								
Sample ID: ICB		17 Method Blank								06/25/10 18:14
Antimony		ND	mg/L	1E-05						
Arsenic		ND	mg/L	3E-05						
Barium		3E-05	mg/L	2E-05						
Beryllium		ND	mg/L	1E-05						
Cadmium		ND	mg/L	1E-05						
Chromium		0.0005	mg/L	8E-05						
Cobalt		ND	mg/L	1E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R63292
Sample ID: ICB	17	Method Blank		Run: ICPMS204-B_100625A			06/25/10 18:14			
Copper		0.0001	mg/L	3E-05						
Iron		0.0005	mg/L	0.0002						
Lead		ND	mg/L	1E-05						
Mercury		1.0E-05	mg/L	9E-06						
Nickel		ND	mg/L	7E-05						
Selenium		ND	mg/L	3E-05						
Silver		4E-05	mg/L	2E-05						
Thallium		3E-05	mg/L	2E-05						
Vanadium		4E-05	mg/L	2E-05						
Zinc		ND	mg/L	0.0006						
Sample ID: LFB	17	Laboratory Fortified Blank		Run: ICPMS204-B_100625A			06/25/10 18:21			
Antimony		0.0498	mg/L	0.050	100	85	115			
Arsenic		0.0492	mg/L	0.0050	98	85	115			
Barium		0.0497	mg/L	0.10	99	85	115			
Beryllium		0.0487	mg/L	0.0010	97	85	115			
Cadmium		0.0491	mg/L	0.0010	98	85	115			
Chromium		0.0492	mg/L	0.010	97	85	115			
Cobalt		0.0490	mg/L	0.010	98	85	115			
Copper		0.0488	mg/L	0.010	97	85	115			
Iron		4.88	mg/L	0.030	98	85	115			
Lead		0.0495	mg/L	0.010	99	85	115			
Mercury		0.00110	mg/L	0.0010	109	85	115			
Nickel		0.0489	mg/L	0.010	98	85	115			
Selenium		0.0493	mg/L	0.0050	99	85	115			
Silver		0.0190	mg/L	0.0050	95	85	115			
Thallium		0.0494	mg/L	0.10	99	85	115			
Vanadium		0.0494	mg/L	0.10	99	85	115			
Zinc		0.0498	mg/L	0.010	100	85	115			
Sample ID: H10060262-002BMS	17	Sample Matrix Spike		Run: ICPMS204-B_100625A			06/25/10 23:46			
Antimony		0.0495	mg/L	0.0050	99	70	130			
Arsenic		0.0495	mg/L	0.0050	99	70	130			
Barium		0.0669	mg/L	0.10	97	70	130			
Beryllium		0.0447	mg/L	0.0010	89	70	130			
Cadmium		0.0480	mg/L	0.0010	96	70	130			
Chromium		0.0471	mg/L	0.010	94	70	130			
Cobalt		0.0482	mg/L	0.010	96	70	130			
Copper		0.0480	mg/L	0.010	93	70	130			
Iron		5.07	mg/L	0.030	98	70	130			
Lead		0.0497	mg/L	0.010	98	70	130			
Mercury		0.00106	mg/L	0.0010	104	70	130			
Nickel		0.0470	mg/L	0.010	92	70	130			
Selenium		0.0553	mg/L	0.0050	97	70	130			
Silver		0.0186	mg/L	0.0050	93	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R63292
Sample ID: H10060262-002BMS	17	Sample Matrix Spike		Run: ICPMS204-B_100625A				06/25/10 23:46		
Thallium		0.0489	mg/L	0.0050	98	70	130			
Vanadium		0.0497	mg/L	0.10	98	70	130			
Zinc		0.0561	mg/L	0.010	94	70	130			
Sample ID: H10060262-002BMSD	17	Sample Matrix Spike Duplicate		Run: ICPMS204-B_100625A				06/25/10 23:53		
Antimony		0.0499	mg/L	0.0050	100	70	130	0.8	20	
Arsenic		0.0498	mg/L	0.0050	99	70	130	0.5	20	
Barium		0.0677	mg/L	0.10	98	70	130		20	
Beryllium		0.0436	mg/L	0.0010	87	70	130	2.4	20	
Cadmium		0.0482	mg/L	0.0010	96	70	130	0.4	20	
Chromium		0.0475	mg/L	0.010	95	70	130	0.9	20	
Cobalt		0.0481	mg/L	0.010	96	70	130	0.1	20	
Copper		0.0482	mg/L	0.010	93	70	130	0.4	20	
Iron		5.12	mg/L	0.030	99	70	130	1.1	20	
Lead		0.0496	mg/L	0.010	98	70	130	0.2	20	
Mercury		0.00106	mg/L	0.0010	105	70	130	0.5	20	
Nickel		0.0480	mg/L	0.010	94	70	130	2	20	
Selenium		0.0557	mg/L	0.0050	98	70	130	0.8	20	
Silver		0.0188	mg/L	0.0050	94	70	130	1.4	20	
Thallium		0.0485	mg/L	0.0050	97	70	130	0.7	20	
Vanadium		0.0492	mg/L	0.10	97	70	130		20	
Zinc		0.0568	mg/L	0.010	95	70	130	1.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC101-H_100623A		
Sample ID: ICV062310-12	2	Initial Calibration Verification Standard								06/23/10 11:18
Chloride		12	mg/L	1.0	99	90	110			
Sulfate		49	mg/L	1.0	98	90	110			
Sample ID: CCV062310-15	2	Continuing Calibration Verification Standard								06/23/10 12:23
Chloride		24	mg/L	1.0	97	90	110			
Sulfate		47	mg/L	1.0	94	90	110			
Method: E300.0								Batch: R63281		
Sample ID: ICB062310-13	2	Method Blank				Run: IC101-H_100623A			06/23/10 11:34	
Chloride		ND	mg/L	0.2						
Sulfate		ND	mg/L	0.07						
Sample ID: LFB062310-14	2	Laboratory Fortified Blank				Run: IC101-H_100623A			06/23/10 11:51	
Chloride		26	mg/L	1.0	102	90	110			
Sulfate		49	mg/L	1.2	98	90	110			
Sample ID: LFB062310-14	2	Laboratory Fortified Blank				Run: IC101-H_100623A			06/23/10 12:07	
Chloride		24	mg/L	1.0	98	90	110			
Sulfate		47	mg/L	1.2	95	90	110			
Sample ID: H10060261-002AMS	2	Sample Matrix Spike				Run: IC101-H_100623A			06/23/10 14:51	
Chloride		53	mg/L	2.9	91	90	110			
Sulfate		210	mg/L	5.8	79	90	110			S
Sample ID: H10060261-002AMSD	2	Sample Matrix Spike Duplicate				Run: IC101-H_100623A			06/23/10 15:08	
Chloride		53	mg/L	2.9	93	90	110	0.6	20	
Sulfate		210	mg/L	5.8	68	90	110	2.4	20	S
Sample ID: H10060303-021ADUP	2	Sample Duplicate				Run: IC101-H_100623A			06/24/10 10:50	
Chloride		80	mg/L	1.0				0.7	20	
Sulfate		18	mg/L	1.0				0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Analytical Run: NUTRIENTS_100617A
Sample ID: ICV-1	Initial Calibration Verification Standard									06/17/10 10:42
Nitrogen, Nitrate+Nitrite as N		0.960	mg/L	0.050	96	90	110			
Sample ID: ICB	Initial Calibration Blank, Instrument Blank									06/17/10 10:52
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.050		0	0			
Sample ID: CCV-34	Continuing Calibration Verification Standard									06/17/10 11:48
Nitrogen, Nitrate+Nitrite as N		0.460	mg/L	0.050	92	90	110			
Sample ID: CCV-45	Continuing Calibration Verification Standard									06/17/10 12:10
Nitrogen, Nitrate+Nitrite as N		0.460	mg/L	0.050	92	90	110			
Method: E353.2										Batch: A2010-06-17_5_NO3_01
Sample ID: LCS-2	Laboratory Control Sample									Run: NUTRIENTS_100617A 06/17/10 10:44
Nitrogen, Nitrate+Nitrite as N		17.4	mg/L	0.10	95	90	110			
Sample ID: LFB-3	Laboratory Fortified Blank									Run: NUTRIENTS_100617A 06/17/10 10:45
Nitrogen, Nitrate+Nitrite as N		1.01	mg/L	0.050	101	90	110			
Sample ID: MBLK-7	Method Blank									Run: NUTRIENTS_100617A 06/17/10 10:54
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Sample ID: H10060257-001DMS	Sample Matrix Spike									Run: NUTRIENTS_100617A 06/17/10 12:00
Nitrogen, Nitrate+Nitrite as N		0.960	mg/L	0.050	95	90	110			
Sample ID: H10060257-001DMSD	Sample Matrix Spike Duplicate									Run: NUTRIENTS_100617A 06/17/10 12:02
Nitrogen, Nitrate+Nitrite as N		0.980	mg/L	0.050	97	90	110	2.1	20	
Sample ID: H10060262-002CMS	Sample Matrix Spike									Run: NUTRIENTS_100617A 06/17/10 12:22
Nitrogen, Nitrate+Nitrite as N		1.06	mg/L	0.050	93	90	110			
Sample ID: H10060262-002CMSD	Sample Matrix Spike Duplicate									Run: NUTRIENTS_100617A 06/17/10 12:24
Nitrogen, Nitrate+Nitrite as N		1.11	mg/L	0.050	98	90	110	4.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Analytical Run: SPECTRO_100623A
Sample ID: CCV	Continuing Calibration Verification Standard									06/23/10 16:00
Oxygen Demand, Chemical (COD)		50	mg/L	1.0	101	90	110			
Method: E410.4										Batch: R63239
Sample ID: LCS	Laboratory Control Sample									Run: SPECTRO_100623A 06/23/10 16:00
Oxygen Demand, Chemical (COD)		300	mg/L	5.0	99	90	110			
Sample ID: MBLK	Method Blank									Run: SPECTRO_100623A 06/23/10 16:00
Oxygen Demand, Chemical (COD)		ND	mg/L	1.0						
Sample ID: H10060262-002CMS	Sample Matrix Spike									Run: SPECTRO_100623A 06/23/10 16:00
Oxygen Demand, Chemical (COD)		45	mg/L	1.0	89	90	110			S
Sample ID: H10060262-002CMSD	Sample Matrix Spike Duplicate									Run: SPECTRO_100623A 06/23/10 16:00
Oxygen Demand, Chemical (COD)		47	mg/L	1.0	92	90	110	3.4	20	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod								Analytical Run: SUB-B149411		
Sample ID: ICV-1		Initial Calibration Verification Standard							06/21/10 09:21	
Cyanide, Total		0.160	mg/L	0.0050	106	90	110			
Method: Kelada mod								Batch: B_R149411		
Sample ID: LFB-2		Laboratory Fortified Blank							06/21/10 09:23	
Cyanide, Total		0.104	mg/L	0.0050	104	90	110			
Sample ID: MBLK-3		Method Blank							06/21/10 09:25	
Cyanide, Total		ND	mg/L	0.002						
Sample ID: H10060249-001D		Sample Matrix Spike							06/21/10 11:35	
Cyanide, Total		0.136	mg/L	0.0050	109	90	110			
Sample ID: H10060249-001D		Sample Matrix Spike Duplicate							06/21/10 11:37	
Cyanide, Total		0.134	mg/L	0.0050	107	90	110	1.1	10	
Sample ID: B10061822-002DMS		Sample Matrix Spike							06/21/10 12:06	
Cyanide, Total		0.113	mg/L	0.0050	113	90	110			S
Sample ID: B10061822-002DMSD		Sample Matrix Spike Duplicate							06/21/10 12:08	
Cyanide, Total		0.112	mg/L	0.0050	112	90	110	0.2	10	S

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Analytical Run: R63243
Sample ID: CCV062310A										06/23/10 08:57
54 Continuing Calibration Verification Standard										
Acetone		55.2	ug/L	20	110	70	130			
Acrylonitrile		52.4	ug/L	20	105	70	130			
Benzene		4.80	ug/L	1.0	96	70	130			
Bromochloromethane		5.36	ug/L	1.0	107	70	130			
Bromodichloromethane		5.04	ug/L	1.0	101	70	130			
Bromoform		6.00	ug/L	1.0	120	70	130			
Bromomethane		3.88	ug/L	1.0	78	70	130			
Carbon disulfide		4.64	ug/L	1.0	93	70	130			
Carbon tetrachloride		5.00	ug/L	1.0	100	70	130			
Chlorobenzene		4.84	ug/L	1.0	97	70	130			
Chlorodibromomethane		4.80	ug/L	1.0	96	70	130			
Chloroethane		4.44	ug/L	1.0	89	70	130			
Chloroform		5.12	ug/L	1.0	102	80	120			
Chloromethane		4.40	ug/L	1.0	88	70	130			
1,2-Dibromo-3-chloropropane		5.16	ug/L	1.0	103	70	130			
1,2-Dibromoethane		4.96	ug/L	1.0	99	70	130			
Dibromomethane		5.24	ug/L	1.0	105	70	130			
1,2-Dichlorobenzene		5.24	ug/L	1.0	105	70	130			
1,4-Dichlorobenzene		5.00	ug/L	1.0	100	70	130			
trans-1,4-Dichloro-2-butene		5.00	ug/L	1.0	100	70	130			
Dichlorodifluoromethane		4.56	ug/L	1.0	91	70	130			
1,1-Dichloroethane		5.36	ug/L	1.0	107	70	130			
1,2-Dichloroethane		5.64	ug/L	1.0	113	70	130			
1,1-Dichloroethene		4.96	ug/L	1.0	99	80	120			
cis-1,2-Dichloroethene		5.56	ug/L	1.0	111	70	130			
trans-1,2-Dichloroethene		5.20	ug/L	1.0	104	70	130			
1,2-Dichloropropane		5.36	ug/L	1.0	107	80	120			
cis-1,3-Dichloropropene		4.72	ug/L	1.0	94	70	130			
trans-1,3-Dichloropropene		4.68	ug/L	1.0	94	70	130			
Ethylbenzene		4.76	ug/L	1.0	95	80	120			
2-Hexanone		50.8	ug/L	20	102	70	130			
Iodomethane		4.96	ug/L	1.0	99	70	130			
Methyl ethyl ketone		48.0	ug/L	20	96	70	130			
Methyl isobutyl ketone		47.6	ug/L	20	95	70	130			
Methylene chloride		5.20	ug/L	1.0	104	70	130			
Styrene		5.04	ug/L	1.0	101	70	130			
1,1,1,2-Tetrachloroethane		5.08	ug/L	1.0	102	70	130			
1,1,2,2-Tetrachloroethane		5.12	ug/L	1.0	102	70	130			
Tetrachloroethene		4.52	ug/L	1.0	90	70	130			
Toluene		4.52	ug/L	1.0	90	80	120			
1,1,1-Trichloroethane		5.00	ug/L	1.0	100	70	130			
1,1,2-Trichloroethane		4.92	ug/L	1.0	98	70	130			
Trichloroethene		4.64	ug/L	1.0	93	70	130			
Trichlorofluoromethane		4.96	ug/L	1.0	99	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Analytical Run: R63243		
Sample ID: CCV062310A								54 Continuing Calibration Verification Standard		
								06/23/10 08:57		
1,2,3-Trichloropropane		5.12	ug/L	1.0	102	70	130			
Vinyl acetate		4.96	ug/L	1.0	99	70	130			
Vinyl chloride		4.60	ug/L	1.0	92	80	120			
m+p-Xylenes		9.68	ug/L	1.0	97	70	130			
o-Xylene		4.60	ug/L	1.0	92	70	130			
Xylenes, Total		14.3	ug/L	1.0	95	70	130			
Surr: 1,2-Dichloroethane-d4				1.0	123	70	130			
Surr: Dibromofluoromethane				1.0	109	70	130			
Surr: p-Bromofluorobenzene				1.0	108	70	130			
Surr: Toluene-d8				1.0	99	70	130			
Method: SW8260B								Batch: R63243		
Sample ID: LCS062310A								54 Laboratory Control Sample		
								Run: 1SATURN_100623A		
								06/23/10 09:41		
Acetone		58.0	ug/L	20	116	70	130			
Acrylonitrile		50.0	ug/L	20	100	70	130			
Benzene		5.24	ug/L	1.0	105	70	130			
Bromochloromethane		5.36	ug/L	1.0	107	70	130			
Bromodichloromethane		4.80	ug/L	1.0	96	70	130			
Bromoform		5.20	ug/L	1.0	104	70	130			
Bromomethane		4.56	ug/L	1.0	91	70	130			
Carbon disulfide		4.52	ug/L	1.0	90	70	130			
Carbon tetrachloride		5.48	ug/L	1.0	110	70	130			
Chlorobenzene		4.80	ug/L	1.0	96	70	130			
Chlorodibromomethane		5.16	ug/L	1.0	103	70	130			
Chloroethane		4.44	ug/L	1.0	89	70	130			
Chloroform		5.40	ug/L	1.0	108	70	130			
Chloromethane		4.24	ug/L	1.0	85	70	130			
1,2-Dibromo-3-chloropropane		4.76	ug/L	1.0	95	70	130			
1,2-Dibromoethane		5.08	ug/L	1.0	102	70	130			
Dibromomethane		5.12	ug/L	1.0	102	70	130			
1,2-Dichlorobenzene		4.92	ug/L	1.0	98	70	130			
1,4-Dichlorobenzene		5.04	ug/L	1.0	101	70	130			
trans-1,4-Dichloro-2-butene		4.16	ug/L	1.0	83	70	130			
Dichlorodifluoromethane		5.00	ug/L	1.0	100	70	130			
1,1-Dichloroethane		5.48	ug/L	1.0	110	70	130			
1,2-Dichloroethane		5.08	ug/L	1.0	102	70	130			
1,1-Dichloroethene		5.00	ug/L	1.0	100	70	130			
cis-1,2-Dichloroethene		5.52	ug/L	1.0	110	70	130			
trans-1,2-Dichloroethene		5.20	ug/L	1.0	104	70	130			
1,2-Dichloropropane		5.16	ug/L	1.0	103	70	130			
cis-1,3-Dichloropropene		4.76	ug/L	1.0	95	70	130			
trans-1,3-Dichloropropene		4.92	ug/L	1.0	98	70	130			
Ethylbenzene		4.64	ug/L	1.0	93	70	130			
2-Hexanone		47.6	ug/L	20	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63243
Sample ID: LCS062310A	54	Laboratory Control Sample				Run: 1SATURN_100623A				06/23/10 09:41
Iodomethane		5.20	ug/L	1.0	104	70	130			
Methyl ethyl ketone		55.6	ug/L	20	111	70	130			
Methyl isobutyl ketone		48.0	ug/L	20	96	70	130			
Methylene chloride		5.12	ug/L	1.0	102	70	130			
Styrene		5.32	ug/L	1.0	106	70	130			
1,1,1,2-Tetrachloroethane		5.12	ug/L	1.0	102	70	130			
1,1,2,2-Tetrachloroethane		4.92	ug/L	1.0	98	70	130			
Tetrachloroethane		4.64	ug/L	1.0	93	70	130			
Toluene		4.76	ug/L	1.0	95	70	130			
1,1,1-Trichloroethane		5.40	ug/L	1.0	108	70	130			
1,1,2-Trichloroethane		5.12	ug/L	1.0	102	70	130			
Trichloroethene		4.88	ug/L	1.0	98	70	130			
Trichlorofluoromethane		5.20	ug/L	1.0	104	70	130			
1,2,3-Trichloropropane		5.48	ug/L	1.0	110	70	130			
Vinyl acetate		5.56	ug/L	1.0	111	70	130			
Vinyl chloride		5.16	ug/L	1.0	103	70	130			
m+p-Xylenes		9.52	ug/L	1.0	95	70	130			
o-Xylene		4.96	ug/L	1.0	99	70	130			
Xylenes, Total		14.5	ug/L	1.0	97	70	130			
Surr: 1,2-Dichloroethane-d4				1.0	114	70	130			
Surr: Dibromofluoromethane				1.0	119	70	130			
Surr: p-Bromofluorobenzene				1.0	101	70	130			
Surr: Toluene-d8				1.0	104	70	130			
Sample ID: MB062310A	54	Method Blank				Run: 1SATURN_100623A				06/23/10 10:49
Acetone		ND	ug/L	20						
Acrylonitrile		ND	ug/L	20						
Benzene		ND	ug/L	1.0						
Bromochloromethane		ND	ug/L	1.0						
Bromodichloromethane		ND	ug/L	1.0						
Bromoform		ND	ug/L	1.0						
Bromomethane		ND	ug/L	1.0						
Carbon disulfide		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chlorobenzene		ND	ug/L	1.0						
Chlorodibromomethane		ND	ug/L	1.0						
Chloroethane		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane		ND	ug/L	1.0						
1,2-Dibromoethane		ND	ug/L	1.0						
Dibromomethane		ND	ug/L	1.0						
1,2-Dichlorobenzene		ND	ug/L	1.0						
1,4-Dichlorobenzene		ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63243
Sample ID: MB062310A	54	Method Blank				Run: 1SATURN_100623A				06/23/10 10:49
trans-1,4-Dichloro-2-butene		ND	ug/L	1.0						
Dichlorodifluoromethane		ND	ug/L	1.0						
1,1-Dichloroethane		ND	ug/L	1.0						
1,2-Dichloroethane		ND	ug/L	1.0						
1,1-Dichloroethene		ND	ug/L	1.0						
cis-1,2-Dichloroethene		ND	ug/L	1.0						
trans-1,2-Dichloroethene		ND	ug/L	1.0						
1,2-Dichloropropane		ND	ug/L	1.0						
cis-1,3-Dichloropropene		ND	ug/L	1.0						
trans-1,3-Dichloropropene		ND	ug/L	1.0						
Ethylbenzene		ND	ug/L	1.0						
2-Hexanone		ND	ug/L	20						
Iodomethane		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methyl isobutyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Styrene		ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane		ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane		ND	ug/L	1.0						
Tetrachloroethene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
1,1,1-Trichloroethane		ND	ug/L	1.0						
1,1,2-Trichloroethane		ND	ug/L	1.0						
Trichloroethene		ND	ug/L	1.0						
Trichlorofluoromethane		ND	ug/L	1.0						
1,2,3-Trichloropropane		ND	ug/L	1.0						
Vinyl acetate		ND	ug/L	1.0						
Vinyl chloride		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4				1.0	116	70	130			
Surr: Dibromofluoromethane				1.0	114	70	130			
Surr: p-Bromofluorobenzene				1.0	98	70	130			
Surr: Toluene-d8				1.0	96	70	130			
Sample ID: H10060261-004EMS	54	Sample Matrix Spike				Run: 1SATURN_100623A				06/23/10 19:19
Acetone		116	ug/L	40	116	70	130			
Acrylonitrile		110	ug/L	40	110	70	130			
Benzene		11.2	ug/L	2.0	112	70	130			
Bromochloromethane		10.6	ug/L	2.0	106	70	130			
Bromodichloromethane		9.52	ug/L	2.0	95	70	130			
Bromoform		10.9	ug/L	2.0	109	70	130			
Bromomethane		8.72	ug/L	2.0	87	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63243
Sample ID: H10060261-004EMS	54 Sample Matrix Spike				Run: 1SATURN_100623A				06/23/10 19:19	
Carbon disulfide		9.76	ug/L	2.0	98	70	130			
Carbon tetrachloride		10.1	ug/L	2.0	101	70	130			
Chlorobenzene		9.44	ug/L	2.0	94	70	130			
Chlorodibromomethane		9.44	ug/L	2.0	94	70	130			
Chloroethane		8.64	ug/L	2.0	86	70	130			
Chloroform		10.4	ug/L	2.0	104	70	130			
Chloromethane		9.12	ug/L	2.0	91	70	130			
1,2-Dibromo-3-chloropropane		9.12	ug/L	2.0	91	70	130			
1,2-Dibromoethane		9.84	ug/L	2.0	98	70	130			
Dibromomethane		9.76	ug/L	2.0	98	70	130			
1,2-Dichlorobenzene		10.1	ug/L	2.0	101	70	130			
1,4-Dichlorobenzene		10.0	ug/L	2.0	100	70	130			
trans-1,4-Dichloro-2-butene		9.84	ug/L	2.0	98	70	130			
Dichlorodifluoromethane		9.28	ug/L	2.0	93	70	130			
1,1-Dichloroethane		11.5	ug/L	2.0	115	70	130			
1,2-Dichloroethane		11.2	ug/L	2.0	112	70	130			
1,1-Dichloroethene		10.0	ug/L	2.0	100	70	130			
cis-1,2-Dichloroethene		11.0	ug/L	2.0	110	70	130			
trans-1,2-Dichloroethene		10.9	ug/L	2.0	109	70	130			
1,2-Dichloropropane		9.76	ug/L	2.0	98	70	130			
cis-1,3-Dichloropropene		9.12	ug/L	2.0	91	70	130			
trans-1,3-Dichloropropene		9.12	ug/L	2.0	91	70	130			
Ethylbenzene		9.04	ug/L	2.0	90	70	130			
2-Hexanone		101	ug/L	40	101	70	130			
Iodomethane		11.1	ug/L	2.0	111	70	130			
Methyl ethyl ketone		101	ug/L	40	101	70	130			
Methyl isobutyl ketone		95.2	ug/L	40	95	70	130			
Methylene chloride		11.0	ug/L	2.0	110	70	130			
Styrene		9.68	ug/L	2.0	97	70	130			
1,1,1,2-Tetrachloroethane		9.36	ug/L	2.0	94	70	130			
1,1,2,2-Tetrachloroethane		9.68	ug/L	2.0	97	70	130			
Tetrachloroethene		8.64	ug/L	2.0	86	70	130			
Toluene		8.56	ug/L	2.0	86	70	130			
1,1,1-Trichloroethane		9.68	ug/L	2.0	97	70	130			
1,1,2-Trichloroethane		10.2	ug/L	2.0	102	70	130			
Trichloroethene		9.20	ug/L	2.0	92	70	130			
Trichlorofluoromethane		10.4	ug/L	2.0	104	70	130			
1,2,3-Trichloropropane		10.7	ug/L	2.0	107	70	130			
Vinyl acetate		13.5	ug/L	2.0	135	70	130			S
Vinyl chloride		8.96	ug/L	2.0	90	70	130			
m+p-Xylenes		17.3	ug/L	2.0	86	70	130			
o-Xylene		9.04	ug/L	2.0	90	70	130			
Xylenes, Total		26.3	ug/L	2.0	88	70	130			
Surr: 1,2-Dichloroethane-d4				2.0	124	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63243
Sample ID: H10060261-004EMS	54	Sample Matrix Spike		Run: 1SATURN_100623A						06/23/10 19:19
Surr: Dibromofluoromethane				2.0	115	70	130			
Surr: p-Bromofluorobenzene				2.0	105	70	130			
Surr: Toluene-d8				2.0	93	70	130			
Sample ID: H10060261-004EMSD	54	Sample Matrix Spike Duplicate		Run: 1SATURN_100623A						06/23/10 19:49
Acetone		114	ug/L	40	114	70	130	2.1	20	
Acrylonitrile		106	ug/L	40	106	70	130	3.7	20	
Benzene		11.4	ug/L	2.0	114	70	130	1.4	20	
Bromochloromethane		10.2	ug/L	2.0	102	70	130	3.1	20	
Bromodichloromethane		9.28	ug/L	2.0	93	70	130	2.6	20	
Bromoform		10.3	ug/L	2.0	103	70	130	5.3	20	
Bromomethane		5.13	ug/L	2.0	51	70	130	52	20	SR
Carbon disulfide		10.1	ug/L	2.0	101	70	130	3.2	20	
Carbon tetrachloride		10.4	ug/L	2.0	104	70	130	3.1	20	
Chlorobenzene		9.28	ug/L	2.0	93	70	130	1.7	20	
Chlorodibromomethane		8.80	ug/L	2.0	88	70	130	7	20	
Chloroethane		7.65	ug/L	2.0	76	70	130	12	20	
Chloroform		10.2	ug/L	2.0	102	70	130	1.6	20	
Chloromethane		8.64	ug/L	2.0	86	70	130	5.4	20	
1,2-Dibromo-3-chloropropane		9.60	ug/L	2.0	96	70	130	5.1	20	
1,2-Dibromoethane		9.04	ug/L	2.0	90	70	130	8.5	20	
Dibromomethane		9.44	ug/L	2.0	94	70	130	3.3	20	
1,2-Dichlorobenzene		10.1	ug/L	2.0	101	70	130	0	20	
1,4-Dichlorobenzene		10.1	ug/L	2.0	101	70	130	0.8	20	
trans-1,4-Dichloro-2-butene		8.24	ug/L	2.0	82	70	130	18	20	
Dichlorodifluoromethane		10.2	ug/L	2.0	102	70	130	9.8	20	
1,1-Dichloroethane		10.8	ug/L	2.0	108	70	130	6.5	20	
1,2-Dichloroethane		11.2	ug/L	2.0	112	70	130	0	20	
1,1-Dichloroethene		10.4	ug/L	2.0	104	70	130	3.9	20	
cis-1,2-Dichloroethene		11.1	ug/L	2.0	111	70	130	0.7	20	
trans-1,2-Dichloroethene		10.5	ug/L	2.0	105	70	130	3.7	20	
1,2-Dichloropropane		9.60	ug/L	2.0	96	70	130	1.7	20	
cis-1,3-Dichloropropene		8.80	ug/L	2.0	88	70	130	3.6	20	
trans-1,3-Dichloropropene		8.96	ug/L	2.0	90	70	130	1.8	20	
Ethylbenzene		9.04	ug/L	2.0	90	70	130	0	20	
2-Hexanone		96.8	ug/L	40	97	70	130	4	20	
Iodomethane		10.9	ug/L	2.0	109	70	130	2.2	20	
Methyl ethyl ketone		103	ug/L	40	103	70	130	2.4	20	
Methyl isobutyl ketone		96.0	ug/L	40	96	70	130	0.8	20	
Methylene chloride		10.4	ug/L	2.0	104	70	130	6	20	
Styrene		9.28	ug/L	2.0	93	70	130	4.2	20	
1,1,1,2-Tetrachloroethane		9.52	ug/L	2.0	95	70	130	1.7	20	
1,1,2,2-Tetrachloroethane		9.12	ug/L	2.0	91	70	130	6	20	
Tetrachloroethene		9.04	ug/L	2.0	90	70	130	4.5	20	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63243
Sample ID: H10060261-004EMSD	54	Sample Matrix Spike Duplicate				Run: 1SATURN_100623A				06/23/10 19:49
Toluene		8.96	ug/L	2.0	90	70	130	4.6	20	
1,1,1-Trichloroethane		10.4	ug/L	2.0	104	70	130	7.2	20	
1,1,2-Trichloroethane		10.1	ug/L	2.0	101	70	130	1.6	20	
Trichloroethene		8.40	ug/L	2.0	84	70	130	9.1	20	
Trichlorofluoromethane		10.3	ug/L	2.0	103	70	130	0.8	20	
1,2,3-Trichloropropane		10.6	ug/L	2.0	106	70	130	1.5	20	
Vinyl acetate		11.8	ug/L	2.0	118	70	130	13	20	
Vinyl chloride		10.1	ug/L	2.0	101	70	130	12	20	
m+p-Xylenes		18.6	ug/L	2.0	93	70	130	7.1	20	
o-Xylene		9.52	ug/L	2.0	95	70	130	5.2	20	
Xylenes, Total		28.1	ug/L	2.0	94	70	130	6.5	20	
Surr: 1,2-Dichloroethane-d4				2.0	122	70	130	0	20	
Surr: Dibromofluoromethane				2.0	122	70	130	0	20	
Surr: p-Bromofluorobenzene				2.0	100	70	130	0	20	
Surr: Toluene-d8				2.0	101	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Analytical Run: R63270
Sample ID: CCV062410A										06/24/10 10:40
54 Continuing Calibration Verification Standard										
Acetone		53.6	ug/L	20	107	70	130			
Acrylonitrile		56.8	ug/L	20	114	70	130			
Benzene		5.52	ug/L	1.0	110	70	130			
Bromochloromethane		5.92	ug/L	1.0	118	70	130			
Bromodichloromethane		5.44	ug/L	1.0	109	70	130			
Bromoform		5.92	ug/L	1.0	118	70	130			
Bromomethane		4.60	ug/L	1.0	92	70	130			
Carbon disulfide		4.88	ug/L	1.0	98	70	130			
Carbon tetrachloride		5.76	ug/L	1.0	115	70	130			
Chlorobenzene		5.00	ug/L	1.0	100	70	130			
Chlorodibromomethane		5.12	ug/L	1.0	102	70	130			
Chloroethane		5.08	ug/L	1.0	102	70	130			
Chloroform		5.76	ug/L	1.0	115	80	120			
Chloromethane		4.84	ug/L	1.0	97	70	130			
1,2-Dibromo-3-chloropropane		5.28	ug/L	1.0	106	70	130			
1,2-Dibromoethane		5.20	ug/L	1.0	104	70	130			
Dibromomethane		5.64	ug/L	1.0	113	70	130			
1,2-Dichlorobenzene		5.20	ug/L	1.0	104	70	130			
1,4-Dichlorobenzene		5.64	ug/L	1.0	113	70	130			
trans-1,4-Dichloro-2-butene		4.24	ug/L	1.0	85	70	130			
Dichlorodifluoromethane		4.96	ug/L	1.0	99	70	130			
1,1-Dichloroethane		6.04	ug/L	1.0	121	70	130			
1,2-Dichloroethane		5.32	ug/L	1.0	106	70	130			
1,1-Dichloroethene		5.68	ug/L	1.0	114	80	120			
cis-1,2-Dichloroethene		6.20	ug/L	1.0	124	70	130			
trans-1,2-Dichloroethene		5.76	ug/L	1.0	115	70	130			
1,2-Dichloropropane		5.52	ug/L	1.0	110	80	120			
cis-1,3-Dichloropropene		5.16	ug/L	1.0	103	70	130			
trans-1,3-Dichloropropene		4.96	ug/L	1.0	99	70	130			
Ethylbenzene		4.96	ug/L	1.0	99	80	120			
2-Hexanone		49.2	ug/L	20	98	70	130			
Iodomethane		5.20	ug/L	1.0	104	70	130			
Methyl ethyl ketone		61.2	ug/L	20	122	70	130			
Methyl isobutyl ketone		47.2	ug/L	20	94	70	130			
Methylene chloride		5.92	ug/L	1.0	118	70	130			
Styrene		5.40	ug/L	1.0	108	70	130			
1,1,1,2-Tetrachloroethane		4.96	ug/L	1.0	99	70	130			
1,1,2,2-Tetrachloroethane		5.00	ug/L	1.0	100	70	130			
Tetrachloroethene		5.08	ug/L	1.0	102	70	130			
Toluene		4.92	ug/L	1.0	98	80	120			
1,1,1-Trichloroethane		5.84	ug/L	1.0	117	70	130			
1,1,2-Trichloroethane		4.96	ug/L	1.0	99	70	130			
Trichloroethene		5.40	ug/L	1.0	108	70	130			
Trichlorofluoromethane		5.44	ug/L	1.0	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Analytical Run: R63270		
Sample ID: CCV062410A								54 Continuing Calibration Verification Standard		
								06/24/10 10:40		
1,2,3-Trichloropropane		4.88	ug/L	1.0	98	70	130			
Vinyl acetate		4.96	ug/L	1.0	99	70	130			
Vinyl chloride		5.12	ug/L	1.0	102	80	120			
m+p-Xylenes		10.1	ug/L	1.0	101	70	130			
o-Xylene		5.56	ug/L	1.0	111	70	130			
Xylenes, Total		15.6	ug/L	1.0	104	70	130			
Surr: 1,2-Dichloroethane-d4				1.0	112	70	130			
Surr: Dibromofluoromethane				1.0	117	70	130			
Surr: p-Bromofluorobenzene				1.0	102	70	130			
Surr: Toluene-d8				1.0	100	70	130			
Method: SW8260B								Batch: R63270		
Sample ID: LCS062410A								53 Laboratory Control Sample		
								Run: 1SATURN_100624B		
								06/24/10 11:29		
Acetone		61.2	ug/L	20	122	70	130			
Acrylonitrile		50.0	ug/L	20	100	70	130			
Benzene		5.32	ug/L	1.0	106	70	130			
Bromochloromethane		5.40	ug/L	1.0	108	70	130			
Bromodichloromethane		4.88	ug/L	1.0	98	70	130			
Bromoform		5.68	ug/L	1.0	114	70	130			
Bromomethane		4.88	ug/L	1.0	98	70	130			
Carbon disulfide		5.08	ug/L	1.0	102	70	130			
Carbon tetrachloride		5.28	ug/L	1.0	106	70	130			
Chlorobenzene		4.80	ug/L	1.0	96	70	130			
Chlorodibromomethane		4.84	ug/L	1.0	97	70	130			
Chloroethane		5.32	ug/L	1.0	106	70	130			
Chloroform		5.16	ug/L	1.0	103	70	130			
Chloromethane		5.00	ug/L	1.0	100	70	130			
1,2-Dibromo-3-chloropropane		5.12	ug/L	1.0	102	70	130			
1,2-Dibromoethane		5.20	ug/L	1.0	104	70	130			
Dibromomethane		5.16	ug/L	1.0	103	70	130			
1,2-Dichlorobenzene		5.32	ug/L	1.0	106	70	130			
1,4-Dichlorobenzene		5.44	ug/L	1.0	109	70	130			
trans-1,4-Dichloro-2-butene		4.88	ug/L	1.0	98	70	130			
Dichlorodifluoromethane		5.00	ug/L	1.0	100	70	130			
1,1-Dichloroethane		5.72	ug/L	1.0	114	70	130			
1,2-Dichloroethane		5.28	ug/L	1.0	106	70	130			
1,1-Dichloroethene		4.84	ug/L	1.0	97	70	130			
cis-1,2-Dichloroethene		5.72	ug/L	1.0	114	70	130			
trans-1,2-Dichloroethene		5.28	ug/L	1.0	106	70	130			
1,2-Dichloropropane		5.12	ug/L	1.0	102	70	130			
cis-1,3-Dichloropropene		4.80	ug/L	1.0	96	70	130			
trans-1,3-Dichloropropene		4.68	ug/L	1.0	94	70	130			
Ethylbenzene		4.68	ug/L	1.0	94	70	130			
2-Hexanone		50.4	ug/L	20	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63270
Sample ID: LCS062410A	53	Laboratory Control Sample				Run: 1SATURN_100624B				06/24/10 11:29
Iodomethane		5.72	ug/L	1.0	114	70	130			
Methyl ethyl ketone		64.0	ug/L	20	128	70	130			
Methyl isobutyl ketone		47.2	ug/L	20	94	70	130			
Methylene chloride		5.76	ug/L	1.0	115	70	130			
Styrene		5.00	ug/L	1.0	100	70	130			
1,1,1,2-Tetrachloroethane		4.80	ug/L	1.0	96	70	130			
1,1,2,2-Tetrachloroethane		5.28	ug/L	1.0	106	70	130			
Tetrachloroethene		4.48	ug/L	1.0	90	70	130			
Toluene		4.56	ug/L	1.0	91	70	130			
1,1,1-Trichloroethane		5.16	ug/L	1.0	103	70	130			
1,1,2-Trichloroethane		4.92	ug/L	1.0	98	70	130			
Trichloroethene		5.08	ug/L	1.0	102	70	130			
Trichlorofluoromethane		5.28	ug/L	1.0	106	70	130			
1,2,3-Trichloropropane		6.16	ug/L	1.0	123	70	130			
Vinyl chloride		5.28	ug/L	1.0	106	70	130			
m+p-Xylenes		9.68	ug/L	1.0	97	70	130			
o-Xylene		5.04	ug/L	1.0	101	70	130			
Xylenes, Total		14.7	ug/L	1.0	98	70	130			
Surr: 1,2-Dichloroethane-d4				1.0	112	70	130			
Surr: Dibromofluoromethane				1.0	110	70	130			
Surr: p-Bromofluorobenzene				1.0	104	70	130			
Surr: Toluene-d8				1.0	95	70	130			
Sample ID: LCSva062410A	5	Laboratory Control Sample				Run: 1SATURN_100624B				06/24/10 12:10
Vinyl acetate		6.32	ug/L	1.0	126	70	130			
Surr: 1,2-Dichloroethane-d4				1.0	116	70	130			
Surr: Dibromofluoromethane				1.0	123	70	130			
Surr: p-Bromofluorobenzene				1.0	103	70	130			
Surr: Toluene-d8				1.0	98	70	130			
Sample ID: MB062410A	54	Method Blank				Run: 1SATURN_100624B				06/24/10 13:17
Acetone		ND	ug/L	20						
Acrylonitrile		ND	ug/L	20						
Benzene		ND	ug/L	1.0						
Bromochloromethane		ND	ug/L	1.0						
Bromodichloromethane		ND	ug/L	1.0						
Bromoform		ND	ug/L	1.0						
Bromomethane		ND	ug/L	1.0						
Carbon disulfide		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chlorobenzene		ND	ug/L	1.0						
Chlorodibromomethane		ND	ug/L	1.0						
Chloroethane		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63270
Sample ID: MB062410A										Run: 1SATURN_100624B 06/24/10 13:17
54 Method Blank										
1,2-Dibromo-3-chloropropane		ND	ug/L	1.0						
1,2-Dibromoethane		ND	ug/L	1.0						
Dibromomethane		ND	ug/L	1.0						
1,2-Dichlorobenzene		ND	ug/L	1.0						
1,4-Dichlorobenzene		ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene		ND	ug/L	1.0						
Dichlorodifluoromethane		ND	ug/L	1.0						
1,1-Dichloroethane		ND	ug/L	1.0						
1,2-Dichloroethane		ND	ug/L	1.0						
1,1-Dichloroethene		ND	ug/L	1.0						
cis-1,2-Dichloroethene		ND	ug/L	1.0						
trans-1,2-Dichloroethene		ND	ug/L	1.0						
1,2-Dichloropropane		ND	ug/L	1.0						
cis-1,3-Dichloropropene		ND	ug/L	1.0						
trans-1,3-Dichloropropene		ND	ug/L	1.0						
Ethylbenzene		ND	ug/L	1.0						
2-Hexanone		ND	ug/L	20						
Iodomethane		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methyl isobutyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Styrene		ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane		ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane		ND	ug/L	1.0						
Tetrachloroethene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
1,1,1-Trichloroethane		ND	ug/L	1.0						
1,1,2-Trichloroethane		ND	ug/L	1.0						
Trichloroethene		ND	ug/L	1.0						
Trichlorofluoromethane		ND	ug/L	1.0						
1,2,3-Trichloropropane		ND	ug/L	1.0						
Vinyl acetate		ND	ug/L	1.0						
Vinyl chloride		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4				1.0	119	70	130			
Surr: Dibromofluoromethane				1.0	117	70	130			
Surr: p-Bromofluorobenzene				1.0	98	70	130			
Surr: Toluene-d8				1.0	97	70	130			
Sample ID: H10060286-001EMS										Run: 1SATURN_100624B 06/24/10 21:47
54 Sample Matrix Spike										
Acetone		110	ug/L	40	110	70	130			
Acrylonitrile		112	ug/L	40	112	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B		Batch: R63270								
Sample ID: H10060286-001EMS		54 Sample Matrix Spike	Run: 1SATURN_100624B							
		06/24/10 21:47								
Benzene		11.7	ug/L	2.0	117	70	130			
Bromochloromethane		14.6	ug/L	2.0	146	70	130			S
Bromodichloromethane		12.2	ug/L	2.0	104	70	130			
Bromoform		12.2	ug/L	2.0	122	70	130			
Bromomethane		8.24	ug/L	2.0	82	70	130			
Carbon disulfide		9.20	ug/L	2.0	92	70	130			
Carbon tetrachloride		10.3	ug/L	2.0	103	70	130			
Chlorobenzene		9.60	ug/L	2.0	96	70	130			
Chlorodibromomethane		10.0	ug/L	2.0	100	70	130			
Chloroethane		8.40	ug/L	2.0	84	70	130			
Chloroform		26.2	ug/L	2.0	109	70	130			
Chloromethane		8.96	ug/L	2.0	90	70	130			
1,2-Dibromo-3-chloropropane		9.92	ug/L	2.0	99	70	130			
1,2-Dibromoethane		10.2	ug/L	2.0	102	70	130			
Dibromomethane		10.1	ug/L	2.0	101	70	130			
1,2-Dichlorobenzene		10.7	ug/L	2.0	107	70	130			
1,4-Dichlorobenzene		10.7	ug/L	2.0	107	70	130			
trans-1,4-Dichloro-2-butene		10.0	ug/L	2.0	100	70	130			
Dichlorodifluoromethane		9.28	ug/L	2.0	93	70	130			
1,1-Dichloroethane		11.3	ug/L	2.0	113	70	130			
1,2-Dichloroethane		11.8	ug/L	2.0	118	70	130			
1,1-Dichloroethene		10.2	ug/L	2.0	102	70	130			
cis-1,2-Dichloroethene		11.1	ug/L	2.0	111	70	130			
trans-1,2-Dichloroethene		10.7	ug/L	2.0	107	70	130			
1,2-Dichloropropane		11.0	ug/L	2.0	110	70	130			
cis-1,3-Dichloropropene		9.36	ug/L	2.0	94	70	130			
trans-1,3-Dichloropropene		10.2	ug/L	2.0	102	70	130			
Ethylbenzene		9.60	ug/L	2.0	96	70	130			
2-Hexanone		94.4	ug/L	40	94	70	130			
Iodomethane		11.4	ug/L	2.0	114	70	130			
Methyl ethyl ketone		110	ug/L	40	110	70	130			
Methyl isobutyl ketone		96.0	ug/L	40	96	70	130			
Methylene chloride		11.6	ug/L	2.0	116	70	130			
Styrene		10.2	ug/L	2.0	102	70	130			
1,1,1,2-Tetrachloroethane		9.68	ug/L	2.0	97	70	130			
1,1,2,2-Tetrachloroethane		11.8	ug/L	2.0	118	70	130			
Tetrachloroethene		9.60	ug/L	2.0	96	70	130			
Toluene		9.52	ug/L	2.0	95	70	130			
1,1,1-Trichloroethane		10.6	ug/L	2.0	106	70	130			
1,1,2-Trichloroethane		10.4	ug/L	2.0	104	70	130			
Trichloroethene		9.76	ug/L	2.0	98	70	130			
Trichlorofluoromethane		10.0	ug/L	2.0	100	70	130			
1,2,3-Trichloropropane		12.5	ug/L	2.0	125	70	130			
Vinyl acetate		13.7	ug/L	2.0	137	70	130			S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63270
Sample ID: H10060286-001EMS	54	Sample Matrix Spike				Run: 1SATURN_100624B				06/24/10 21:47
Vinyl chloride		9.52	ug/L	2.0	95	70	130			
m+p-Xylenes		19.4	ug/L	2.0	97	70	130			
o-Xylene		10.3	ug/L	2.0	103	70	130			
Xylenes, Total		29.7	ug/L	2.0	99	70	130			
Surr: 1,2-Dichloroethane-d4				2.0	128	70	130			
Surr: Dibromofluoromethane				2.0	116	70	130			
Surr: p-Bromofluorobenzene				2.0	116	70	130			
Surr: Toluene-d8				2.0	98	70	130			
Sample ID: H10060286-001EMSD	54	Sample Matrix Spike Duplicate				Run: 1SATURN_100624B				06/24/10 22:17
Acetone		106	ug/L	40	106	70	130	3.7	20	
Acrylonitrile		99.2	ug/L	40	99	70	130	12	20	
Benzene		11.8	ug/L	2.0	118	70	130	0.7	20	
Bromochloromethane		14.1	ug/L	2.0	141	70	130	3.9	20	S
Bromodichloromethane		12.4	ug/L	2.0	106	70	130	1.3	20	
Bromoform		10.9	ug/L	2.0	109	70	130	12	20	
Bromomethane		7.70	ug/L	2.0	77	70	130	6.8	20	
Carbon disulfide		9.28	ug/L	2.0	93	70	130	0.9	20	
Carbon tetrachloride		10.3	ug/L	2.0	103	70	130	0	20	
Chlorobenzene		9.76	ug/L	2.0	98	70	130	1.7	20	
Chlorodibromomethane		10.6	ug/L	2.0	106	70	130	6.2	20	
Chloroethane		8.48	ug/L	2.0	85	70	130	0.9	20	
Chloroform		25.0	ug/L	2.0	97	70	130	4.7	20	
Chloromethane		8.96	ug/L	2.0	90	70	130	0	20	
1,2-Dibromo-3-chloropropane		9.76	ug/L	2.0	98	70	130	1.6	20	
1,2-Dibromoethane		11.0	ug/L	2.0	110	70	130	8.3	20	
Dibromomethane		10.4	ug/L	2.0	104	70	130	3.1	20	
1,2-Dichlorobenzene		10.1	ug/L	2.0	101	70	130	6.2	20	
1,4-Dichlorobenzene		10.6	ug/L	2.0	106	70	130	0.7	20	
trans-1,4-Dichloro-2-butene		9.68	ug/L	2.0	97	70	130	3.3	20	
Dichlorodifluoromethane		8.64	ug/L	2.0	86	70	130	7.1	20	
1,1-Dichloroethane		11.5	ug/L	2.0	115	70	130	2.1	20	
1,2-Dichloroethane		11.7	ug/L	2.0	117	70	130	0.7	20	
1,1-Dichloroethene		10.2	ug/L	2.0	102	70	130	0.8	20	
cis-1,2-Dichloroethene		11.0	ug/L	2.0	110	70	130	1.4	20	
trans-1,2-Dichloroethene		10.9	ug/L	2.0	109	70	130	1.5	20	
1,2-Dichloropropane		11.7	ug/L	2.0	117	70	130	5.6	20	
cis-1,3-Dichloropropene		10.6	ug/L	2.0	106	70	130	13	20	
trans-1,3-Dichloropropene		10.6	ug/L	2.0	106	70	130	3.8	20	
Ethylbenzene		9.52	ug/L	2.0	95	70	130	0.8	20	
2-Hexanone		103	ug/L	40	103	70	130	8.9	20	
Iodomethane		11.0	ug/L	2.0	110	70	130	3.6	20	
Methyl ethyl ketone		102	ug/L	40	102	70	130	7.5	20	
Methyl isobutyl ketone		98.4	ug/L	40	98	70	130	2.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc
Project: Sanitation Inc Closed Landfill

Report Date: 07/07/10
Work Order: H10060261

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R63270
Sample ID: H10060286-001EMSD	54	Sample Matrix Spike Duplicate				Run: 1SATURN_100624B				06/24/10 22:17
Methylene chloride		11.7	ug/L	2.0	117	70	130	0.7	20	
Styrene		10.0	ug/L	2.0	100	70	130	2.4	20	
1,1,1,2-Tetrachloroethane		9.92	ug/L	2.0	99	70	130	2.4	20	
1,1,2,2-Tetrachloroethane		10.7	ug/L	2.0	107	70	130	9.3	20	
Tetrachloroethene		10.0	ug/L	2.0	100	70	130	4.1	20	
Toluene		10.4	ug/L	2.0	104	70	130	8.8	20	
1,1,1-Trichloroethane		10.3	ug/L	2.0	103	70	130	2.3	20	
1,1,2-Trichloroethane		10.7	ug/L	2.0	107	70	130	3	20	
Trichloroethene		9.76	ug/L	2.0	98	70	130	0	20	
Trichlorofluoromethane		9.68	ug/L	2.0	97	70	130	3.3	20	
1,2,3-Trichloropropane		13.0	ug/L	2.0	130	70	130	3.8	20	
Vinyl acetate		13.0	ug/L	2.0	130	70	130	4.8	20	
Vinyl chloride		9.60	ug/L	2.0	96	70	130	0.8	20	
m+p-Xylenes		19.1	ug/L	2.0	96	70	130	1.2	20	
o-Xylene		9.92	ug/L	2.0	99	70	130	4	20	
Xylenes, Total		29.0	ug/L	2.0	97	70	130	2.2	20	
Surr: 1,2-Dichloroethane-d4				2.0	127	70	130	0	20	
Surr: Dibromofluoromethane				2.0	119	70	130	0	20	
Surr: p-Bromofluorobenzene				2.0	104	70	130	0	20	
Surr: Toluene-d8				2.0	105	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist



H10060261

Sanitation Inc

Login completed by: Wanda Johnson

Date Received: 6/16/2010

Reviewed by: BL2000\kwiegand

Received by: wjj

Reviewed Date: 6/28/2010

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature:	3.0°C On Ice		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

Page ____ of ____

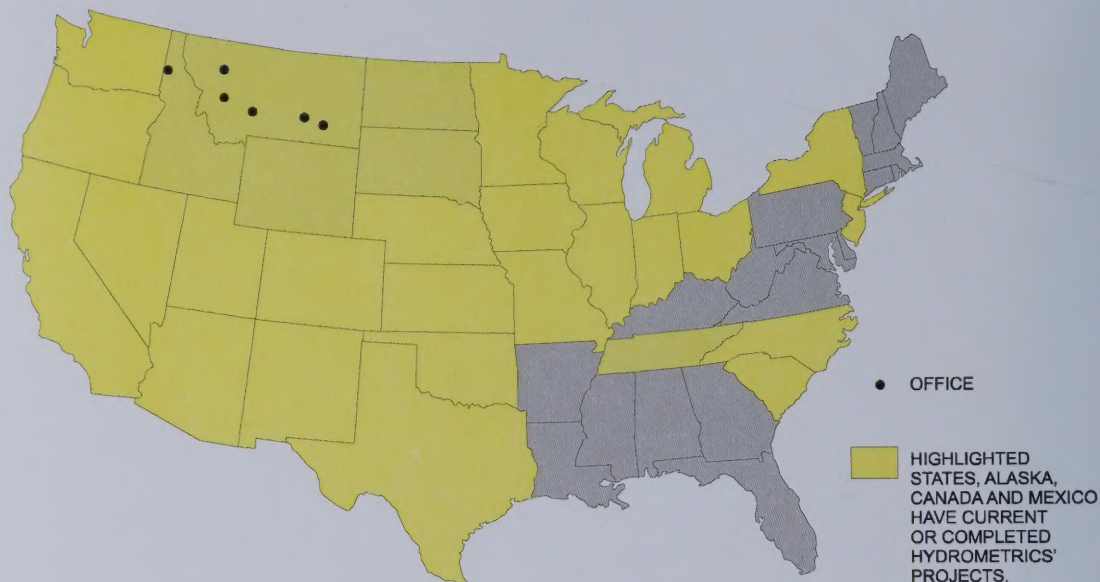
PLEASE PRINT - Provide as much information as possible.

Company Name: BARRY Damschew Construction		Project Name, PWS, Permit, Etc. Sanitation Inc closed Landfill		Sample Origin State: MT		EPA/State Compliance: Yes ☒ No ☐						
Report Mail Address: 5531 York RD Helen, MT 59607		Contact Name: BARRY Damschew		Phone/Fax: 461-5003		Email:						
Invoice Address: Sanitation Inc % Bill Spojar PO Box 882 Lewistown, MT 59457		Invoice Contact & Phone: Bill Spojar 538-8767		Purchase Order:		Quote/Bottle Order:						
Special Report/Formats - ELI must be notified prior to sample submittal for the following: ☐ DW ☐ A2LA ☐ GSA ☐ EDD/EDT (Electronic Data) ☐ POTW/WWTP ☐ Format: _____ ☐ State: MT ☐ LEVEL IV ☐ Other: Solid Waste ☐ NELAC		Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other	ANALYSIS REQUESTED				R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page		Shipped by: Hand Del. Cooler ID(s):		
			SEE ATTACHED Normal Turnaround (TAT)					Comments:		Receipt Temp 3.0 °C On Ice: ☒ Yes ☐ No Custody Seal Y H Bottles/Coolers B C Intact Y N Signature Match Y N		
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX								
1 Simw-2		6-14-10	1145	7u								
2 Simw-3D			1230	7u								
3 Simw-3			1230	7u								
4 Simw-4			1330	7u								
5												
6												
7												
8												
9												
10												
Custody Record MUST be Signed	Relinquished by (print): BARRY Damschew		Date/Time: 6-16-10 1636		Signature: [Signature]		Received by (print): Wanda Damschew		Date/Time: 6-16-10 1636		Signature: [Signature]	
	Relinquished by (print):		Date/Time:		Signature:		Received by (print):		Date/Time:		Signature:	
	Sample Disposal: Return to Client:		Lab Disposal: X		Received by Laboratory:		Date/Time:		Signature:			

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



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